TELYCAM CATALOG

Telycam

2025

Every Angle, Every Detail

Telycam

CONTENTS

ABOUT US

Founded in 2014, Telycam (a brand of Telecam Technology Co., Ltd.) develops cutting-edge video cameras that help people connect, communicate and collaborate better.

Telycam's innovative and feature rich PTZ cameras and webcams are designed and optimized to enhance live production, streaming and video conferencing for broadcast, education, government, enterprises, sports & esports, worship, telemedicine, courtrooms and more.

The company's strong emphasis on R&D underscores its commitment to delivering exceptional quality, high performance, ease of use and affordability for production professionals and organizations of any size.
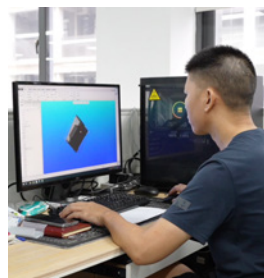
Our R&D Team

Telycam's R&D team leads in technological innovation, focusing on core components for exceptional image quality and intelligent features. With one-third of workforce and 25% of revenue invested in R&D, Telycam is an industry leader.

Our Manufacturing Team

Our manufacturing team follows the rigorous and innovative R&D spirit, adhering to top production and testing standards. They ensure each product meets high quality and arrives flawless. Through strict quality control and advanced techniques, the team guarantees Telycam's products' stability and reliability, delivering high-quality results.

Our Marketing and Sales Team

The sales and marketing team bridges Telycam and clients, attuned to customer needs. They ensure offerings match market demands, build trust-based relationships, and enhance satisfaction with tailored solutions, driving meaningful results.

Walailak University-Thailand

Vision+ 4KN PTZ Camera enhances Walailak University's virtual production with 4K@60P low-latency.

BYHORSES TV-Turkey

BYHORSES Television leverages Telycam E-Series and V-Series cameras to broadcast live coverage of horse racing events across multiple cities in Turkey.

World Wheelchair Championship 2025 (Aberdeen, Scotland)

Explore cutting-edge ISPs, sensors, and lenses that deliver dynamic, crystal-clear visuals for live sports broadcasting.

Nice 28th Aniversary-Mexico

The PTZ cameras delivered exceptional low-light performance, capturing Ricky Martin's concert at Arena Ciudad de México with clear and stable footage.

Dubai Games-UAE

The Explore stably captures high-quality event footage in challenging environments, thanks to its precise remote control and adjustable ND filter.

Melike Sahin Concert at Harbiye Cemil Topuzlu Open Air Theater-UAE

Explore SE captures unattainable perspectives with its smooth remote-control performance and seamless integration with Blackmagic Design equipment, delivering high-efficiency workflows and premium-quality imagery.
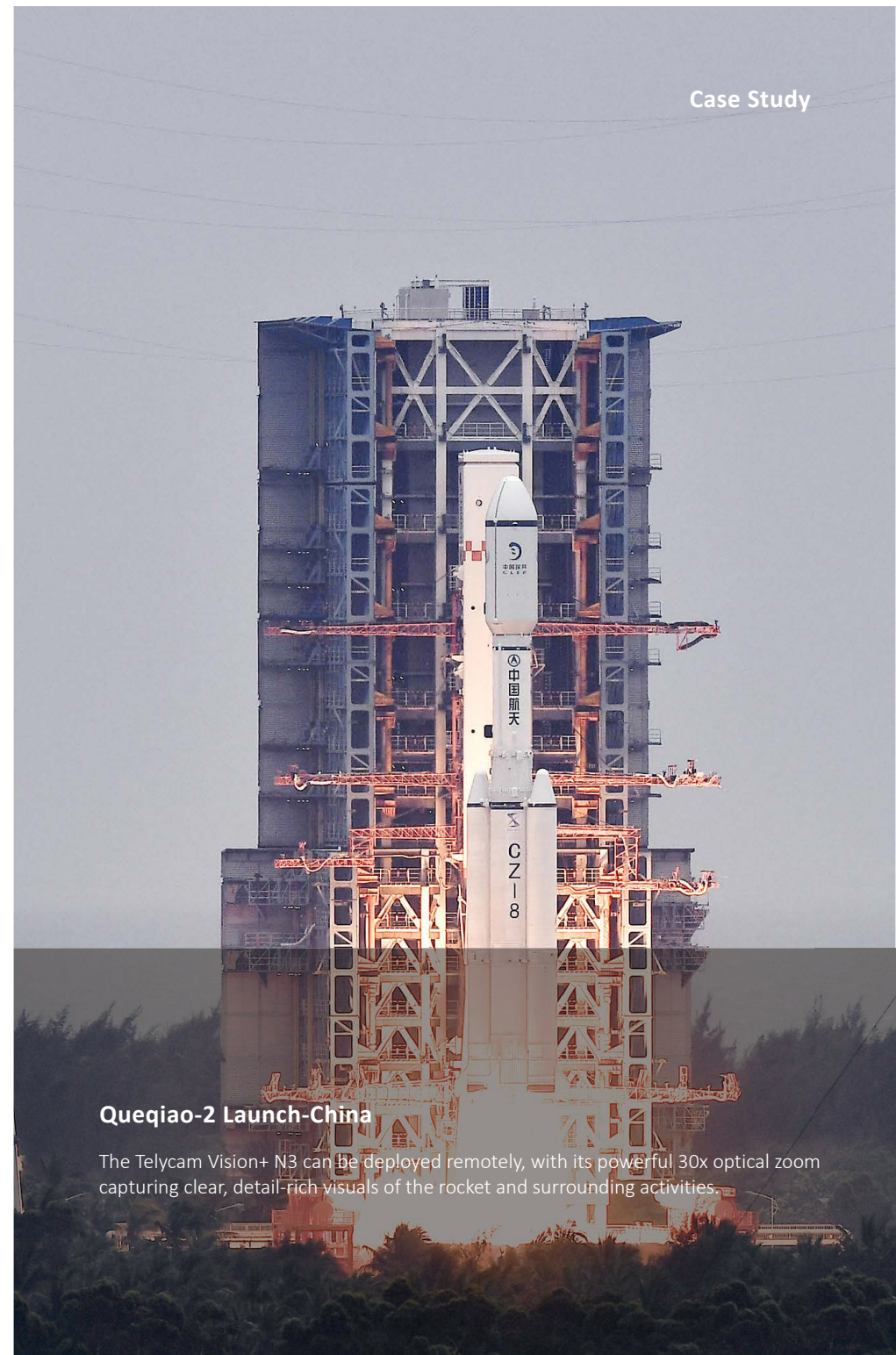
Queqiao-2 Launch-China

The Telycam Vision+ N3 can be deployed remotely, with its powerful 30x optical zoom capturing clear, detail-rich visuals of the rocket and surrounding activities.

Earthquake Emergency Comprehensive Drill-China

Telycam's reliable PTZ cameras ensure HD-quality, lag-free live streaming for government meetings, press briefings, public addresses, emergency drills, and official exhibitions.

Samoa National Broadcasting Service

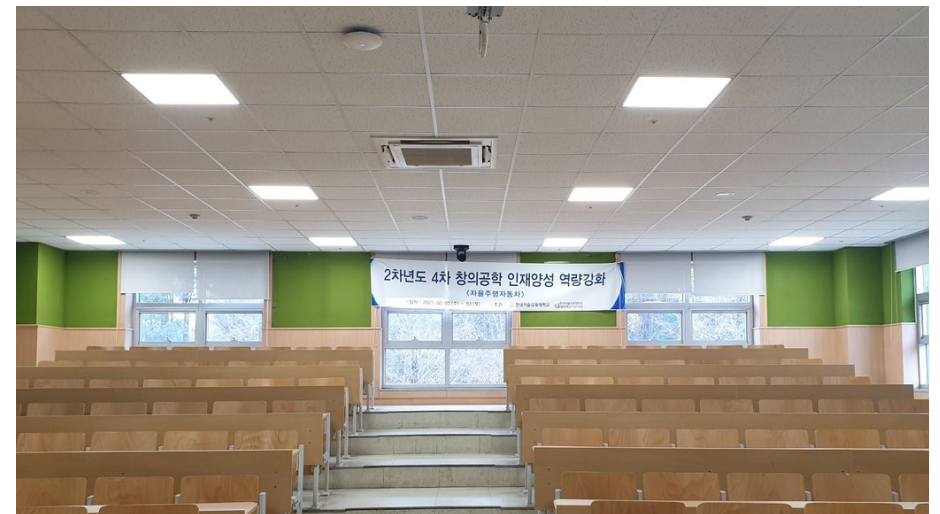The Telycam PTZ cameras delivers high-definition live video broadcasting for radio stations, transforming talk shows, interviews, and podcasts into immersive audiovisual experiences that reach a wider audience.

Korea University of Technology and Education

Telycam PTZ cameras deliver smooth live-streaming experiences for educational settings and video conferences.

**Commencement Ceremony
Mountain Ridge High School
Class Of 2024-USA**

CCTE 2024-USA

The Explore and Vision Series PTZ cameras deliver seamless gimbal control and multi-angle HD footage for corporate summits and large-scale events, ensuring every frame is crisp and stable to elevate audiovisual experiences to premium standards.
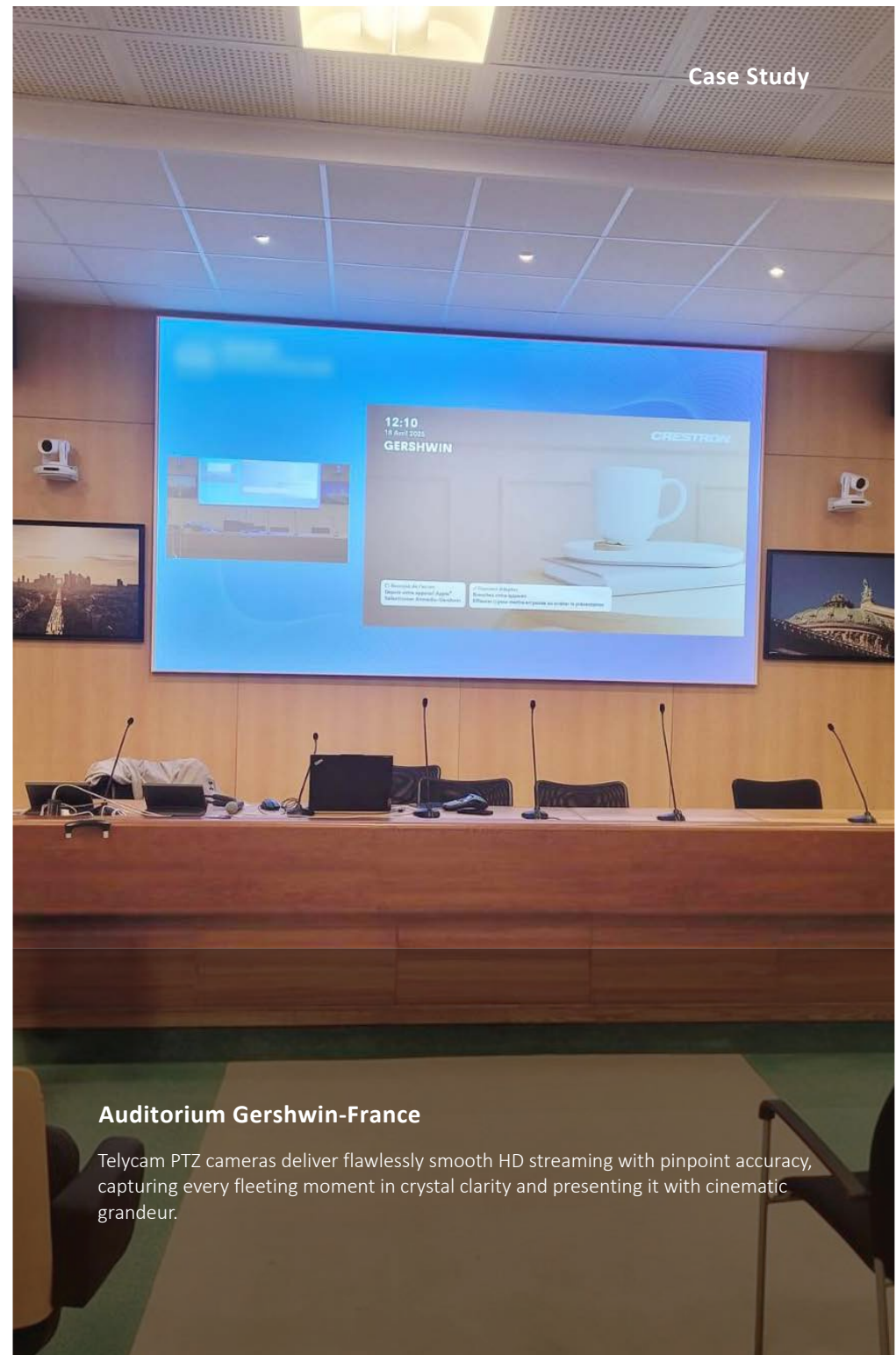
Auditorium Gershwin-France

Telycam PTZ cameras deliver flawlessly smooth HD streaming with pinpoint accuracy, capturing every fleeting moment in crystal clarity and presenting it with cinematic grandeur.

Telycam

EXPLORE   1-Inch Sensor PTZ Camera for Broadcasters

Broadcast Level PTZ Camera Disrupts AV Industry

20X │ 4K │ AUTO-TRACKING
FREED │ GENLOCK │ PDAF

SFP+/12G-SDI/HDMI/NDI®/NDI®HX3/XLR
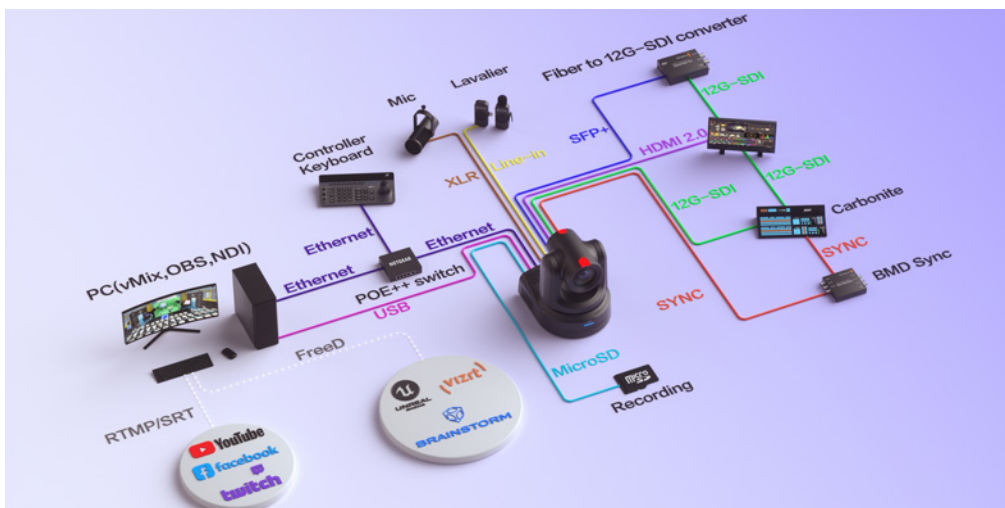
High-Performance Sensor and Image Processor

Explore's Sony 1-inch CMOS sensor delivers broadcast-grade imaging. Engineered for low-light excellence, it captures vivid detail with minimal noise while achieving cinematic depth of field. Enhanced light sensitivity ensures razor-sharp subject focus with artful background blur - the ultimate choice for professional production.

PDAF (Phase Detection Auto Focus)

Experience seamless and precise focusing with our PTZ camera's advanced AI Auto Focus. Whether for live events or VR production, Telycam's PDAF auto-focus empowers you with fast and accurate focus for premium-quality footage.
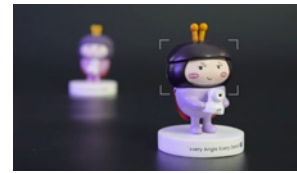
Versatile Output Options with Robust Audio Capabilities

The Explore offers diverse output options including 4K60p through NDI®, NDI®HX3, 12G-SDI, HDMI, and SFP+, along with 3.5mm line-in and Mini XLR with Phantom power for compatibility with various microphones and audio equipment, ensuring great flexibility and compatibility for Telycam users.

Genlock Functionality

The Explore features Genlock for better synchronization. This allows it to function as the main camera, ensuring precise video synchronization with sub-cameras in broadcasting and live streaming setups.
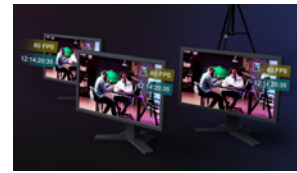
Built-in ND Filters for Light Management

Explore features a built-in variable ND filter adjustable to 1.6%, 6.3%, 25%, and 100%, with the option to attach custom ND filters for precise lighting control.

Native AI-Based Auto-Tracking

The Explore features AI-based auto-tracking, automatically following subjects to enhance ease of use and capture the moments flawlessly.

FreeD Technology Integration

The Explore integrates FreeD technology for versatile shooting angles, ideal for both real-world and virtual applications.

MicroSD Card Slots

The Explore features two MicroSD card slots – one for firmware upgrades and the other for local recording. Record directly onto the camera for instant backup during network issues or quick access, ideal for prompt event review.

Specifications

Camera	Explore
Part Number	TLC-900-IP-20-4K(NDI)-AB
Sensor	1 inch, 9MP UHD CMOS sensor
Zoom	20X optical zoom
Lens	f=9.79~186.5mm, F2.8~F4.5
Horizontal View Angle	71°(Wide)~4.05°(Tele)
Vertical Viewing Angle	39.6°~2.2°
Diagonal Viewing Angle	78.5°~4.6°
Minimum Working Distance	Wide: 15cm; Tele: 150cm
S/N Ratio	≥50dB
Video Format	12G-SDI: 3840*2160P60/50/30/25/59.94/29.97/24/23.98; 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 3G-SDI: 1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25 HDMI2.0: 3840*2160P60/50/30/25/59.94/29.97/24/23.98; 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 NDI® / NDI®HX3: Main Stream: 3840*2160P15~60; 1920*1080P15~60; 1280*720P15~60; 1024*576P15~60; Sub Stream: 640*360P15~30 SFP+: 3840*2160P60/50/30/25/59.94/29.97/24/23.98; 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 USB Type-C: NV12: 1920*1080P5; 1280*720P15; 1024*576P25; 800*448P30 YUYV: 1920*1080P5; 1280*720P15; 1024*576P25; 800*448P30 MJPG: 3840*2160P30; 1920*1080P60; 1280*720P60; 1024*576P60; 800*448P60 H264/H265: 3840*2160P30; 1920*1080P60; 1280*720P60; 1024*576P60; 800*448P60

Image Parameters

Noise Reduction	2D&3D
Minimum lux	0.5 lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	Auto/Manual/ATW/Push/Indoor/Outdoor/Color Temperature
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip/Mirroring	Supported
Focus/Iris/Electronic-shutter	Auto/Manual
Gamma	Supported
Backlight Compensation	Supported

IP Streaming

Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~122800Kbps
Network Port Speed	1000M
Protocol	NDI®, NDI®HX3, SRT, HTTP, HTTPS, RTSP, RTMP, RTMPS, ONVIF, VISCA over IP(TCP&UDP), VISCA, PELCO P/D, SSDP, FreeD, NTP, RTP Multicast, WebRTC, MPEG-TS

Pan/Tilt Movement

Preset	Remote controller: 10; Serial port: 256; Accuracy：0.1°
Pan Rotation Angle	-176°~+176°
Tilt Rotation Angle	-90°~+90°
Pan Rotation Speed	0.1°~80°/s
Tilt Rotation Speed	0.1°~60°/s

I/O Interface

Control Port	RS232, RS485, RS422, RJ45, USB, NDI®HX3
Video Port	NDI®, NDI®HX3, HDMI 2.0, 12G-SDI, 3G-SDI, SFP+, USB Type-C
Audio Port	Mini XLR(with phantom power), stereo 3.5mm line in
Tally	Supported
POE++	Supported
Daisy Chain	Supported

General

Input Voltage	DC12V, POE++(IEEE802.3bt)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Dimension（L×W×H）	232.5 mm×264mm×269mm
Net Weight	4.6kg(10.15LBS)
Color	Black/White

Audio Input
3.5mm stereo line in,
mini-XLR with phantom power

Remote control port
RS232, RS422, RS485

Power Switch

microSD Card Slot
Support local recording

FW Upgrade

Video Output
SFP+, G/L IN, 12G-SDI, 3G-SDI CROP, HDMI, USB Type-C,
NDI®, NDI®HX3

Power Supply
POE++, DC12V

Telycam

EXPLORE SE

Advanced 4K60p PTZ Camera for immersive broadcast VR video production

Broadcast Level PTZ Camera Disrupts AV Industry

30X │ 4K │ AUTO-TRACKING
FREED │ GENLOCK

SFP+/12G-SDI/HDMI/NDI®/NDI®HX3/XLR
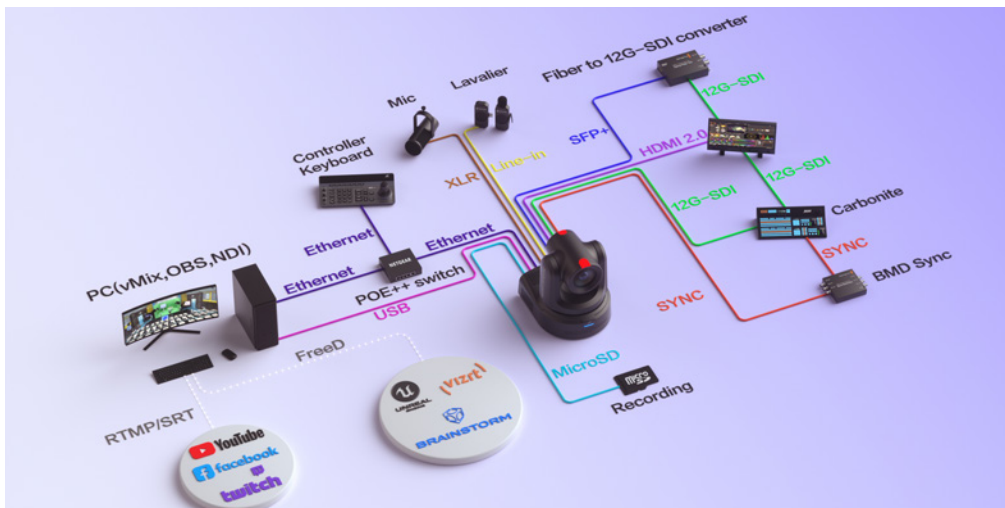
High-Performance Sensor and Image Processor

The Explore SE boasts a Sony 1/1.8-inch 9MP CMOS sensor and a state-of-the-art image processor, to deliver stunning UHD images that capture realistic colors and maintain rapid focus.
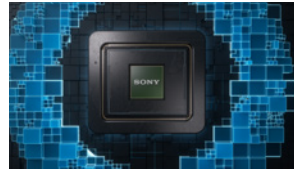
Versatile Output Options

This Explore SE offers diverse output options, delivering 4K60p output through NDI®, NDI®HX3, 12G-SDI, HDMI, and SFP+. It provides great flexibility and compatibility to Telycam users.

Genlock Functionality

The Explore SE features Genlock for better synchronization.
This allows it to function as the main camera, ensuring precise video synchroniza tion with sub-cameras in broadcasting and live streaming setups.
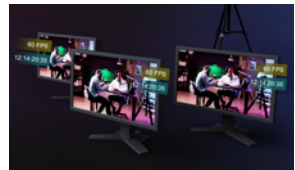
Robust Audio Capabilities

The Explore SE features 3.5mm line-in and Mini XLR with Phantom power, providing compatibility with various microphones and audio equipment.

Native AI-Based Auto-Tracking

The Explore SE features AI-based auto-tracking, automatically following subjects to enhance ease of use and capture the moments flawlessly.
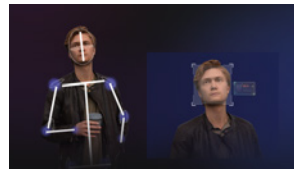
FreeD Technology Integration

The Explore SE integrates FreeD technology for versatile shooting angles, ideal for both real-world and virtual applications.

MicroSD Card Slots

The Explore features two MicroSD card slots – one for firmware upgrades and the other for local recording. Record directly onto the camera for instant backup during network issues or quick access, ideal for prompt event review.

Specifications

Camera	Explore SE
Part Number	TLC-900-IP-30-4K(NDI)-AB
Sensor	1/1.8 inch, 9MP UHD CMOS sensor
Zoom	30X optical zoom
Lens	f=6.91~214.64mm, F1.35~F4.6
Horizontal View Angle	63°(Wide)~2°(Tele)
Vertical Viewing Angle	34.14°~1.12°
Diagonal Viewing Angle	67.08°~2.27
Minimum Working Distance	Wide: 30cm; Tele: 150cm
S/N Ratio	≥50dB
Video Format	12G-SDI: 3840*2160P60/50/30/25/59.94/29.97/24/23.98; 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 3G-SDI: 1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25 HDMI2.0: 3840*2160P60/50/30/25/59.94/29.97/24/23.98; 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 NDI® / NDI®HX3: Main Stream: 3840*2160P15~60; 1920*1080P15~60; 1280*720P15~60; 1024*576P15~60; Sub Stream: 640*360P15~30 SFP+: 3840*2160P60/50/30/25/59.94/29.97/24/23.98; 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 USB Type-C: NV12: 1920*1080P5; 1280*720P15; 1024*576P25; 800*448P30 YUYV: 1920*1080P5; 1280*720P15; 1024*576P25; 800*448P30 MJPG: 3840*2160P30; 1920*1080P60; 1280*720P60; 1024*576P60; 800*448P60 H264/H265: 3840*2160P30; 1920*1080P60; 1280*720P60; 1024*576P60; 800*448P60

Image Parameters

Noise Reduction	2D&3D
Minimum lux	0.5 lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	Auto/Manual/ATW/Push/Indoor/Outdoor/Color Temperature
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip/Mirroring	Supported
Focus/Iris/Electronic-shutter	Auto/Manual
Gamma	Supported
Backlight Compensation	Supported

IP Streaming

Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~122800Kbps
Network Port Speed	1000M
Protocol	NDI®, NDI®HX3, SRT, HTTP, HTTPS, RTSP, RTMP, RTMPS, ONVIF, VISCA over IP(TCP&UDP), VISCA, PELCO P/D, SSDP, FreeD, NTP, RTP Multicast, WebRTC, MPEG-TS

Pan/Tilt Movement

Preset	Remote controller: 10; Serial port: 256; Accuracy: 0.1°
Pan Rotation Angle	-176°~+176°
Tilt Rotation Angle	-90°~+90°
Pan Rotation Speed	0.1°~80°/s
Tilt Rotation Speed	0.1°~60°/s

I/O Interface

Control Port	RS232, RS485, RS422, RJ45, USB, NDI®HX
Video Port	NDI®, NDI®HX3, HDMI 2.0, 12G-SDI, 3G-SDI, SFP+, USB Type-C
Audio Port	Mini XLR(with phantom power), stereo 3.5mm line in
Tally	Supported
POE++	Supported
Daisy Chain	Supported

General

Input Voltage	DC12V, POE++(IEEE802.3bt)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Dimension（L×W×H）	232.5mm×264mm×269mm
Net Weight	4.6kg(4.2LBS)
Color	Black/White

Audio Input
3.5mm stereo line in,
mini-XLR with phantom power

Remote control port
RS232, RS422, RS485

Power Switch

microSD Card Slot
Support local recording

FW Upgrade

Video Output
SFP+, G/L IN, 12G-SDI, 3G-SDI CROP, HDMI, USB Type-C,
NDI®, NDI®HX3

Power Supply
POE++, DC12V

Telycam
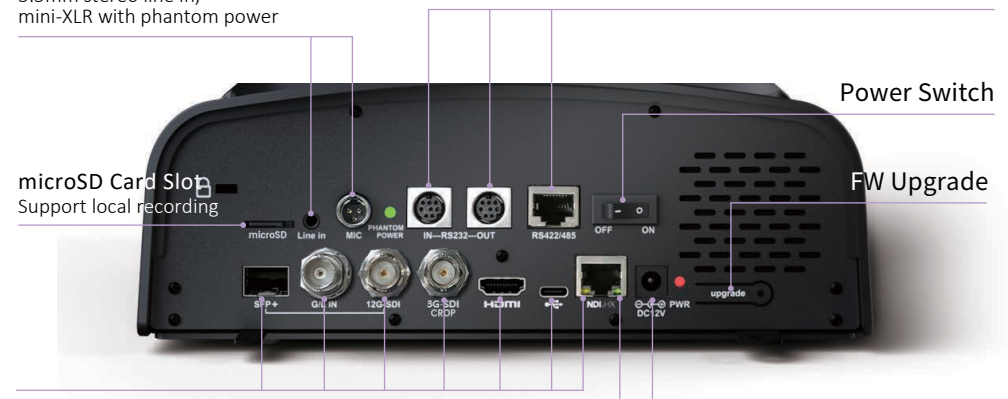
EXPLORE XE   1-Inch Sensor PTZ Camera for Broadcast AV

Broadcast Level PTZ Camera Disrupts AV Industry

## 20X | 4K | AUTO-TRACKING
FREED | PDAF

3G-SDI/HDMI/NDI®HX3/XLR
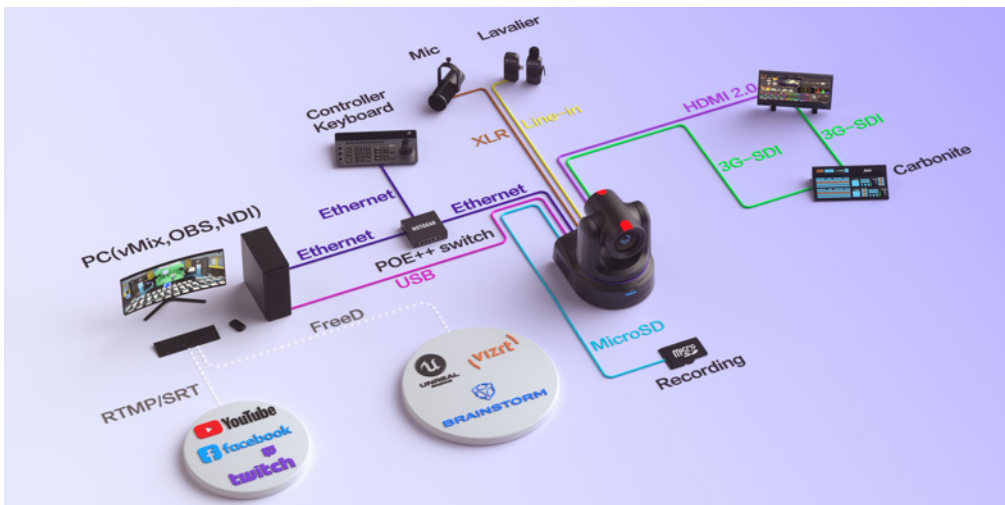
High-Performance Sensor and Image Processor

The Explore boasts a Sony 1-inch 9MP CMOS sensor and a state-of-the-art image processor to deliver stunning ultra-high-definition images.

PDAF (Phase Detection Auto Focus)

Experience seamless and precise focusing with our PTZ camera's advanced AI Auto Focus. Whether for live events or VR production, Telycam's PDAF auto-focus empowers you with fast and accurate focus for premium-quality footage.

Versatile Output Options

The Explore offers diverse output options, including 4K60p resolution through NDI®HX3 and HDMI, connections. Users can choose the output method that best suits their production needs, ensuring flexibility and compatibility.

Robust Audio Capabilities

The Explore features 3.5mm line-in and Mini XLR with Phantom power, providing compatibility with various microphones and audio equipment.

Native AI-Based Auto-Tracking

The Explore features AI-based auto-tracking, automatically following subjects to enhance ease of use and capture the moments flawlessly.
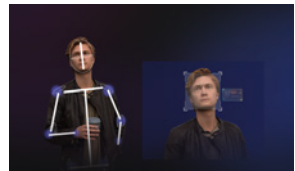
FreeD Technology Integration

The Explore integrates FreeD technology for versatile shooting angles, ideal for both real-world and virtual applications.

MicroSD Card Slots

A MicroSD card slot for local recording. Record directly onto the camera for instant backup during network issues or quick access, ideal for prompt event review.

Specifications

Camera	Explore XE
Part Number	TLC-900-IP-20-4K(NDI)-AB
Sensor	1 inch, 9MP UHD CMOS sensor
Zoom	20X optical zoom
Lens	f=9.79~186.5mm, F2.8~F4.5
Horizontal View Angle	71°(Wide)~4.05°(Tele)
Vertical Viewing Angle	39.6°~2.2°
Diagonal Viewing Angle	78.5°~4.6°
Minimum Working Distance	Wide: 15cm; Tele: 150cm
S/N Ratio	≥50dB
Video Format	**3G-SDI:** 1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25 **HDMI2.0:** 3840*2160P60/50/30/25/59.94/29.97/24/23.98; 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 **NDI®HX3:** Main Stream: 3840*2160P15~60; 1920*1080P15~60; 1280*720P15~60; 1024*576P15~60; Sub Stream: 640*360P15~30 **USB Type-C:** NV12: 1920*1080P5; 1280*720P15; 1024*576P25; 800*448P30 YUYV: 1920*1080P5; 1280*720P15; 1024*576P25; 800*448P30 MJPG: 3840*2160P30; 1920*1080P60; 1280*720P60; 1024*576P60; 800*448P60 H264/H265: 3840*2160P30; 1920*1080P60; 1280*720P60; 1024*576P60; 800*448P60

Image Parameters

Noise Reduction	2D&3D
Minimum lux	0.5 lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	Auto/Manual/ATW/Push/Indoor/Outdoor/Color Temperature
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip/Mirroring	Supported
Focus/Iris/Electronic-shutter	Auto/Manual
Gamma	Supported
Backlight Compensation	Supported

IP Streaming

Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~122800Kbps
Network Port Speed	1000M
Protocol	NDI®HX3, SRT, HTTP, HTTPS, RTSP, RTMP, RTMPS, ONVIF, VISCA over IP(TCP&UDP), VISCA, PELCO P/D, SSDP, FreeD, NTP, RTP Multicast, WebRTC, MPEG-TS

Pan/Tilt Movement

Preset	Remote controller: 10; Serial port: 256; Accuracy：0.1°
Pan Rotation Angle	-176°~+176°
Tilt Rotation Angle	-90°~+90°
Pan Rotation Speed	0.1°~80°/s
Tilt Rotation Speed	0.1°~60°/s

I/O Interface

Control Port	RS232, RS485, USB, NDI®HX3
Video Port	NDI®HX3, HDMI 2.0, 3G-SDI, USB Type-C
Audio Port	Mini XLR(with phantom power), stereo 3.5mm line in
Tally	Supported
POE++	Supported
Daisy Chain	Supported

General

Input Voltage	DC12V, POE+(IEEE802.3bt)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Dimension（L×W×H）	232.5 mm×264mm×269mm
Net Weight	4.6kg(10.15LBS)
Color	Black/White

Audio Input
3.5mm stereo line in,
mini-XLR with phantom power

Remote control port
RS232, RS485

microSD Card Slot
Support local recording

Power Switch

Video Output
USB Type-C, HDMI, 3G-SDI, NDI®HX3

Power Supply
POE+, DC12V
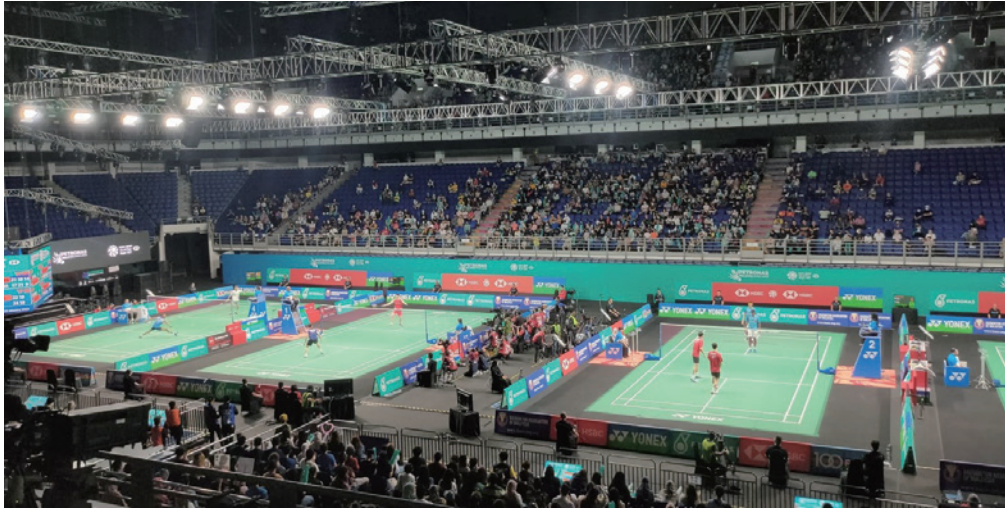
Telycam

VISION+ 4KN

4K60 NDI®HX3 Auto Tracking Live Streaming PTZ Video Camera

Deliver High-End Features for Live Broadcasting

Telycam's new Vision+ 4KN series of PTZ cameras features built-in auto-tracking, integration with the latest NDI® SDK, and the most advanced American image processing solution to output exceptionally sharp 4K60 images.

With 12X, 20X and 30X optical zoom available, the Vision+ 4KN can fit seamlessly into any production scenario.

The Vision+ 4KN's advanced PTZ mechanical design enables smooth and accurate pan, tilt, and zoom movements. Its flexible NDI®HX3, HDMI2.0, SDI and USB2.0 connectivity simultaneously output 4K UHD and 1080p60 Full HD resolutions, ideal for professional live streaming applications. Line in audio input can be combined and output simultaneously with video over NDI®HX3, HDMI2.0 and SDI.

NDI®HX3 | 12X/20X/30X | 4K60 AUTO-TRACKING

4K UHD Resolution

Equipped with cutting-edge image processor, Vision+ 4KN outputs 4Kp60/59.94 video for clear, sharp, lifelike images even in low-light environments.

Built-in Auto Tracking function

With its built-in auto-tracking function, users can track targets, switch targets, set target areas, or adjust target size effortlessly without any third party softwareor device.

FreeD

The Vision+ 4KN integrates FreeD technology for versatile shooting angles, ideal for both real-world and virtual applications.

12X/20X/30X Optical Zoom

The Vision+ 4KN offers 12X, 20X, and 30x optical zoom options with FOVs of 80.5°, 61°, and 63° respectively. Its advanced focusing algorithm ensures rapid and accurate focus even during zoom or movement.
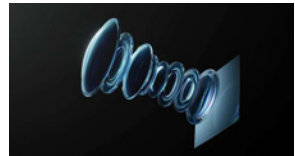
NDI®HX3 /3G-SDI/HDMI2.0/USB2.0 Available

The device supports NDI®HX3 and HDMI2.0 outputs at 4Kp60/59.94 simultaneously, 3G-SDI(Level A and B) outputs 1080p60/59.94, and USB-C output up to 4K30.

Specifications

Camera	Vision+ 4KN 12X	Vision+ 4KN 20X	Vision+ 4KN 30X
Part Number	TLC-300-IP-12-4K(NDl)-AB	TLC-700-IP-20-4K(NDl)-AB	TLC-700-IP-30-4K(NDl)-AB
Sensor	1/2.8 inch, 9MP UHD CMOS sensor	1/1.8 inch, 9MP UHD CMOS sensor	1/1.8 inch, 9MP UHD CMOS sensor
Zoom	12X optical zoom	20X optical zoom	30X optical zoom
Lens	f=3.4mm~40.3 mm, F1.8~F3.6	f=6.25mm~112.5 mm, F1.58~F3.95	f=6.91~214.64mm, F1.35~F4.6
Horizontal View Angle	80.5°(Wide)~7.6°(Tele)	61°(Wide)~3.5°(Tele)	63°(Wide)~2.1°(Tele)
Vertical Viewing Angle	50.0°~4.4°	34.1°~1.9°	34.14°~1.12°
Diagonal Viewing Angle	88.9°~8.7°	60.7°~3.5°	67.08°~2.27°
Minimum Working Distance	1.0m	1.0m	1.5m
S/N Ratio	≥50dB		
Video Format	HDMI2.0: 3840*2160P60/59.94/50/30/29.97/25； 1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25 NDI®HX3: Main Stream: 3840*2160P15~60; 1920*1080P15~60; 1280*720P15~60; 1024*576P15~60; Sub Stream: 640*360P15~30 3G-SDI: 1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25 USB Type-C: NV12: 1920*1080P5;1280*720P15;1024*576P25;800*448P30; YUYV: 1920*1080P5;1280*720P15;1024*576P25;800*448P30; MJPG: 3840*2160P30;1920*1080P60; 1280*720P60;1024*576P60;800*448P60; H264/H265:3840*2160P30;1920*1080P60; 1280*720P60;1024*576P60;800*448P60		

Image Parameters

Noise Reduction	2D&3D		
Minimum lux	**12X:** 0.5 lux (50 IRE Max AGC, 1/30, F1.8)	**20X:** 0.5 lux (50 IRE Max AGC, 1/30, F1.8)	**30X:** 0.5 lux (50 IRE Max AGC, 1/30, F1.8)
White Balance	Auto/Manual/ATW/Push/Indoor/Outdoor/Color Temperature		
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority		
Anti-Flicker	OFF, 50Hz, 60Hz		
Image Flip	Supported		
Mirroring	Supported		
Focus	Auto/Manual		
Iris	Auto/Manual		
Electronic-shutter	Auto/Manual		
Gamma	Supported		
Backlight Compensation	Supported		

IP Streaming

Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~122800Kbps
Network Port Speed	1000M
Protocol	NDI®HX3, SRT, HTTP, HTTPS, RTSP, RTMP, RTMPS, ONVIF, VISCA over IP(TCP&UDP), VISCA, PELCO P/D, SSDP, FreeD, NTP, RTP Multicast, WebRTC, MPEG-TS

Pan/Tilt Movement

Preset	Remote controller: 10; Serial port: 256; Accuracy: 0.1°		
Pan Rotation Angle	-176°~+176°		
Tilt Rotation Angle	-30° ~+90°		
Pan Rotation Speed	**12X:** 0.1°~120°/s	**20X:** 0.1°~80°/s	**30X:** 0.1°~80°/s
Tilt Rotation Speed	**12X:** 0.1°~80°/s	**20X:** 0.1°~60°/s	**30X:** 0.1°~60°/s

I/O Interface

Control Port	RS232(RS485), NDI®HX3
Video Port	NDI®HX3, HDMI 2.0, 3G-SDl, USB Type-C
Audio Port	stereo 3.5mm linear inputs
Tally	Supported
POE+	Supported
Daisy Chain	Supported

General

Input Voltage	DC12V, POE+(IEEE802.3at)		
Operating Temperature	-10℃~50℃		
Operating Humidity	≤80%		
Dimension（L×W×H）	**12X:** 220mmx190mmx173mm	**20X:** 220mm×190mm×193.5mm	**30X:** 220mm×190mm×193.5mm
Net Weight	**12X:** 1.5kg(3.3LBS)	**20X:** 1.9kg(4.2LBS)	**30X:** 1.9kg(4.2LBS)
Color	Black/White		

Audio Input
3.5mm stereo line in

Remote control port
RS232, RS485

Power Supply
POE+, DC12V

Video Output
3G-SDI, HDMI, USB Type-C, NDI®HX3
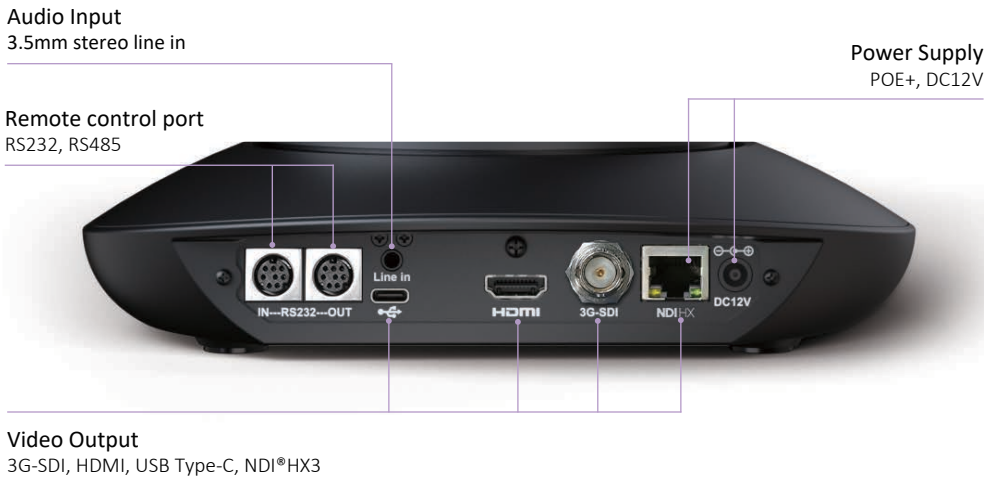
Telycam

VISION+ 4KZ

Versatile 4K 20X Box Camera for Broadcast and Streaming

Telycam Vision+ 4KZ is a professional-grade 4K 60fps box camera with a 20x optical zoom, designed for a wide range of video production applications.

This versatile camera boasts an integrated color LCD screen with tactile controls, enabling direct on-camera adjustment of key parameters.

With comprehensive connectivity options like NDI®HX3, SRT, RTMP, and HDMI, it seamlessly integrates into any workflow. The camera supports professional audio inputs, including XLR with phantom power.

Its robust chassis offers multiple mounting points for flexible rigging.

Advanced features include simultaneous 4K and 1080p cropped output, Dual Smart Tracking Modes: Auto Framing and Auto Tracking, and onboard MicroSD recording.

**NDI®HX3 | 20X
4K60 | E-PTZ
AUTO-TRACKING
SIDE PANEL**

4K UHD Resolution

Experience breathtaking detail and clarity with ultra-high-definition 4K (3840 x 2160) video at 60fps via HDMI. Our advanced image processing ensures lifelike images, even in low-light conditions.

Perfect Color Match for Multi-Camera Productions

The Vision+ 4KZ box camera solves color and visual inconsistency in multi-camera productions by using the same high-quality lens, sensor, and processor as the Vision+ 4KN 20x PTZ, ensuring a consistent look across fixed and PTZ setups.

Side Control Panel for Key Image Parameters & IP Address

Quickly access and adjust essential image parameters and view the IP address directly on the camera's side panel, streamlining your workflow.

20X Optical Zoom

The Vision+ 4KZ offers 20X optical zoom options with FOV of 61°. Its advanced focusing algorithm ensures rapid and accurate focus even during zoom or movement.

Built-in CROP Dual Smart Tracking Modes (1080P and Below)

In CROP mode, two intelligent tracking options are available: Auto Framing and Auto Tracking. Auto Framing dynamically adjusts the frame to keep the subject perfectly centered. Auto Tracking uses advanced AI algorithms to identify and follow the subject even in complex environments.

Embed the Latest NDI® SDK

Leverage the power of Newtek's NDI® for plug-and-play compatibility with various live streaming products and platforms, creating diverse and engaging content.

All-in-One Live Streaming Camera

It features multi-interface output support via NDI® HX3, HDMI, or USB 2.0. For professional audio integration, it offers dual connectivity: a 3.5mm line-in and a Mini XLR port with +48V phantom power, ensuring compatibility with studio-grade microphones. An integrated tally light delivers clear visual status feedback during live streaming.
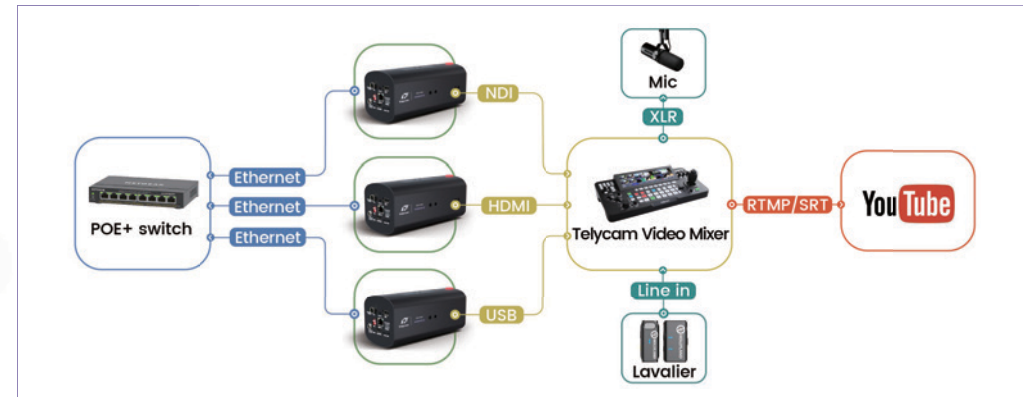
Specifications

Camera	Vision+ 4KZ 20X
Part Number	TLC-600-IP-20-4K(NDI)-AB
Sensor	1/1.8-inch, 9MP UHD CMOS sensor
Zoom	20X optical zoom
Lens	f=6.25mm~112.5mm, F1.58~F3.96
Horizontal View Angle	61° (Wide) ~ 3.5° (Tele)
Minimum Working Distance	1.0m
Vertical Viewing Angle	34.1° ~ 1.9°
Diagonal Viewing Angle	60.7° ~ 3.5°
S/N Ratio	≥50dB
Video Format	HDMI2.0: 3840*2160P60/59.94/50/30/29.97/25; 1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25 NDI®HX3: Main Stream: 3840*2160P15~30; 1920*1080P15~60; 1280*720P15~60; 1024*576P15~60 Sub Stream (CROP): 1920*1080P15~60; 1280*720P15~60; 1024*576P15~60;640*360P15~60 USB 2.0: NV12: 1920*1080P5; 1280*720P10; 1024*576P15; 800*448P30/25 YUYV: 1920*1080P5; 1280*720P10; 1024*576P15; 800*448P20/15 MJPG: 1080P60/50/30/25; 1280*720P60/50/30/25; 1024*576P60/50/30/25; 800*448P60/50/30/25

Image Parameters

Noise Reduction	2D&3D
Minimum lux	0.5 Lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	Auto/Manual/Auto tracking/Push/Indoor/Outdoor/Color Temperature
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip	Supported
Mirroring	Supported
Focus	Auto/Manual
Iris	Auto/Manual
Electronic-shutter	Auto/Manual
Gamma	Supported
Backlight Compensation	Supported

IP Streaming

Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~61440Kbps
Network Port Speed	1000M
Protocol	NDI®HX3, SRT, HTTP, RTSP, RTMP, ONVIF, VISCA over IP(TCP&UDP), VISCA, PELCO P/D, SSDP, NTP, RTP Multicast, WebRTC

I/O Interface

Control Port	RS232, RJ45
Video Port	NDI®HX3, HDMI2.0
Audio Port	Stereo 3.5mm linear inputs, mini XLR
Tally	Support
POE	Support

General

Input Voltage	DC12V, POE+(IEEE802.3at)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Color	Black
Dimension（L×W×H）	82mm×85.3mm×186.5mm
Net Weight	0.95kg(2.09LBS)

Audio Input
3.5mm stereo line in,
mini-XLR with phantom power

Power Supply
DC12V, POE

Remote control port
RJ45, RS232

microSD Card Slot
Support local recording

Video Output
USB 2.0, HDMI, NDI®HX3
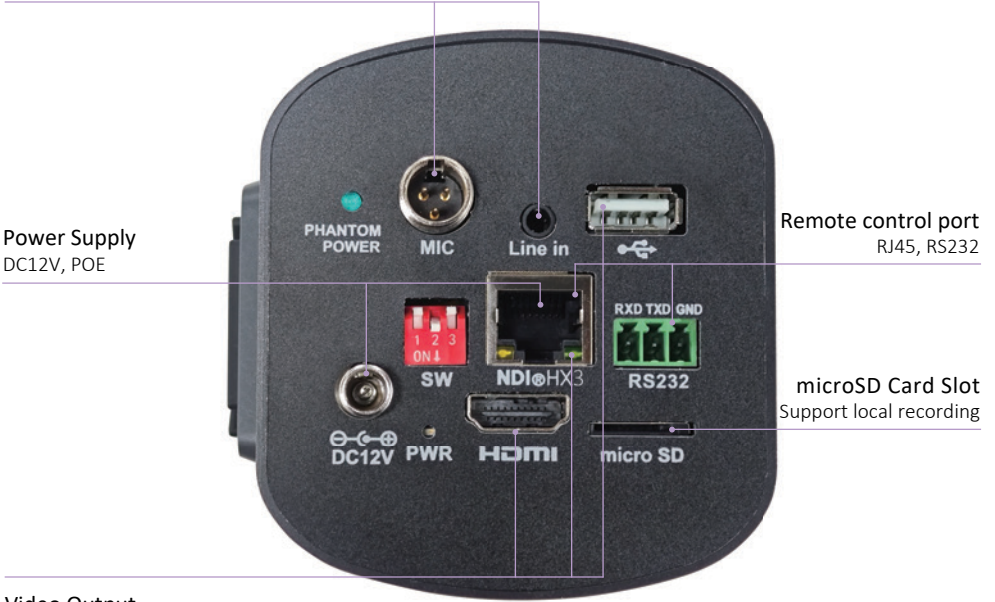
VISION+ N3

NDI®HX3 Auto Tracking Live Streaming PTZ Camera

Lower Latency, Better Image

Vision+ N3 is the premium NDI®HX3 1080p60 PTZ camera series from Telycam, featuring the latest NDI® SDK for IP connectivity and the most advanced American image processing solution to deliver crystal clear high definition images.
Its advanced PTZ mechanical design enables smooth and accurate pan, tilt, and zoom movements. Its versatile NDI®HX3, HDMI, SDI, and USB2.0 connectivity output 1080p60 Full HD resolution, ideal for professional live streaming applications. Line in audio input can be combined and output simultaneously with video over NDI®HX3, HDMI2.0 and 3G-SDI.
With 20X and 30X optical zoom available, the Vision+ N3 can fit seamlessly into any production scenario.

NDI®HX3 | 20X/30X | 1080P60
AUTO-TRACKING

1080p60 FHD Resolution

Equipped with premium image processing solution and Sony HD CMOS sensor, Vision+ N3 delivers FHD and crystal-clear images even in low-light working environments.

Built-in Auto Tracking function

With its built-in auto-tracking function, users can track targets, switch targets, set target areas, or adjust target size effortlessly without any third party softwareor device.

FreeD

The Vision+ N3 integrates FreeD technology for versatile shooting angles, ideal for both real-world and virtual applications.

20X/30x Optical Zoom

It features a 20X/30X optical zoom lens with a 60-degree FOV and a proprietary focusing algorithm for precise focus even during zoom or movement, capturing every detail.
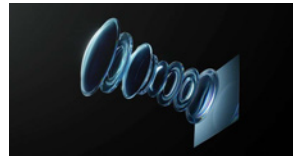
NDI®HX3/3G-SDI/HDMI/USB2.0 Available

In addition to NDI®HX3, it simultaneously outputs images via 3G-SDI, HDMI, and USB2.0. 3G-SDI and HDMI are for transitional video production, while the USB output can function as a high-end webcam.

Specifications

Camera	Vision+ N3 20x	Vision+ N3 30x
Part Number	TLC-300-IP-20(NDI)-AB	TLC-700-IP-30(NDI)-AB
Sensor	1/2.8 inch, 2.4MP UHD CMOS sensor	1/1.8 inch, 9MP UHD CMOS sensor
Zoom	20X optical zoom	30X optical zoom
Lens	f=4.9~98mm, F1.5~F3	f=6.91~214.64mm, F1.35~F4.6
Horizontal View Angle	60°(Wide)~3.2°(Tele)	63°(Wide)~2°(Tele)
Vertical Viewing Angle	32.2°~1.8°	34.14°~1.12°
Diagonal Viewing Angle	60°~3.64°	67.08°~2.27°
Minimum Working Distance	1.0m	1.5m
S/N Ratio	≥50dB	
Video Format	HDMI: 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 NDI®HX3: Main Stream: 1920*1080@15~60; 1280*720@15~60; 1024*576@15~60; Sub Stream: 640*360@15~30 3G-SDI: 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 USB Type-C: NV12: 1920*1080p5; 1280*720p15; 1024*576P25; 800*448P30; YUYV: 1920*1080p5; 1280*720pl0; 1024*576P15; 800*448P30; MJPG: 1920*1080P30; 1280*720P30; 1024*576P30; 800*448P30; H264/HEVC: 1920*1080P30; 1280*720P30; 1024*576P30; 800*448P30	

Image Parameters	
Noise Reduction	2D&3D
Minimum lux	**20X:** 0.5 lux(50 IRE Max AGC, 1/30, F1.8) **30X:** 0.5 lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	Auto/Manual/ATW/Push/Indoor/Outdoor/Color Temperature
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip	Supported
Mirroring	Supported
Focus	Auto/Manual
Iris	Auto/Manual
Electronic-shutter	Auto/Manual
Gamma	Supported
Backlight Compensation	Supported

IP Streaming		
Video Encoding	H.264/H.265	
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)	
Bitrate Range	1024Kbps~122800Kbps	
Network Port Speed	1000M	
Protocol	NDI®HX3, SRT, HTTP, HTTPS, RTSP, RTMP, RTMPS, ONVIF, VISCA over IP(TCP&UDP), VISCA, PELCO P/D, SSDP, FreeD, NTP, RTP Multicast, WebRTC, MPEG-TS	

Pan/Tilt Movement		
Preset	Remote controller: 10; Serial port: 256; Accuracy: 0.1°	
Pan Rotation Angle	-170°~+170°	
Tilt Rotation Angle	-30°~+90°	
Pan Rotation Speed	**20X:** 0.1°~120°/s	**30X:** 0.1~80°/s
Tilt Rotation Speed	**20X:** 0.1°~80°/s	**30X:** 0.1°~60°/s

I/O Interface	
Control Port	RS232(RS485), NDI®HX3
Video Port	NDI®HX3, HDMI, 3G-SDI, USB Type-C
Audio Port	stereo 3.5mm linear inputs
Tally	Supported
POE+	Supported
Daisy Chain	Supported

General		
Input Voltage	DC12V, POE+(IEEE802.3at)	
Operating Temperature	-10℃~50℃	
Operating Humidity	≤80%	
Dimension（L×W×H）	**20X:** 220mmx190mmx173mm	**30X:** 220mm×190mm×193.5mm
Net Weight	**20X:** 1.5kg(3.3LBS)	**30X:** 1.9kg(4.2LBS)
Color	Black/White	

Audio Input
3.5mm stereo line in

Remote control port
RS232, RS485

Power Supply
POE+, DC12V

Video Output
USB Type-C, HDMI, 3G-SDI, NDI®HX3

Telycam

VISION+ SE

Advanced 4K60 PTZ Camera with Native Auto-Tracking and NDI®HX3 Integration

Elevate Your Live Broadcasting with Elite Capabilities

The Vision+ SE is a true 4K60 12X PTZ camera equipped with an integrated native auto-tracking feature. It seamlessly integrates with the latest NDI® SDK

Incorporating the most advanced American image processing solution and featuring a cutting-edge Sony 1/2.8-inch 8.4MP sensor and Telycam's proprietary video camera algorithms, it effortlessly captures 4K60 ultra HD images with true-to-life colors, even in challenging low-light or high-contrast environments.

Its sleek PTZ mechanical design ensures precise pan, tilt, and zoom movements. NDI®HX3 allows it to output up to 4K UHD resolution, while 3G-SDI and USB2.0 provide Full HD resolution output, making it an ideal choice for professional live streaming applications.

Furthermore, it offers line-in audio input, enabling simultaneous audio and video output from both NDI®HX3 and 3G-SDI(or HDMI) sources

NDI®HX3/3G-SDI (OR HDMI)
12X │ 4K60 │ AUTO-TRACKING

Unparalleled 4K UHD Brilliance

Equipped with cutting-edge image processor, Vision+ SE outputs 4Kp60/59.94 video for clear, sharp, lifelike images even in low-light environments.

One-Touch Auto-Tracking Precision

The Vision+ SE offers AI-powered auto-tracking with no third-party tools required. The auto-tracking can be instantly activated with a simple click in the Web UI, remote control, or Telycam V-Joy+ keyboard. Tracking can be customized effortlessly for specific people, areas or sizes.

Enhanced Reality with FreeD

Bridging worlds with the embedded FreeD protocol. Easily sync PTZF data with your VR/AR systems, expanding your creative possibilities.

Magnify with 12x Optical Mastery

With a 4K 12X optical zoom and an expansive 80.5-degree FOV, coupled with a custom focusing algorithm, every zoom and pan translates to a journey through intricate details.

Adaptable Streaming Elegance

Our camera adapts seamlessly with NDI®HX3 output at 4Kp60/59.94, 3G-SDI(A/B levels), and USB-C up to 1080p60/59.94, enhancing streaming versatility.

Integrated NDI® Ecosystem

Integrated with Newtek's NDI® SDK, our camera is a cornerstone in the plug-and-play live streaming universe.

Intuitive Tally Indication

The camera's indicator doubles as a Tally light, synchronizing with NDI® device notifications and monitoring your live stream's status.
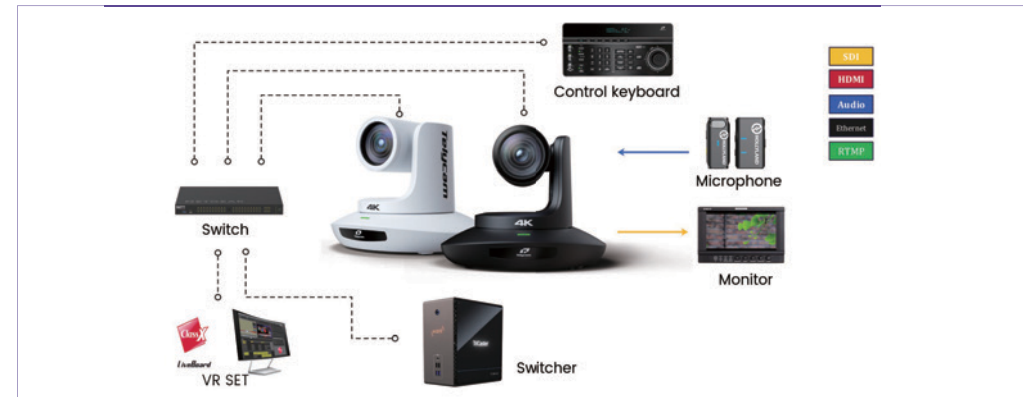
Specifications

Camera	Vision+ SE	
Part Number	TLC-300-IP-12-4K(NDl)-AB-SE-NDI	TLC-300-IP-12-4K(HDMI)-AB-SE-HDMI
Sensor	1/2.8 inch, 9MP UHD CMOS sensor	
Zoom	12X optical zoom	
Lens	f=3.4mm~40.3 mm, F1.8~F3.6	
Horizontal View Angle	80.5°(Wide)~7.6°(Tele)	
Minimum Working Distance	Wide: 1m Tele: 1.5m	
Vertical Viewing Angle	50.0°~4.4°	
Diagonal Viewing Angle	88.9°~8.7°	
S/N Ratio	≥50dB	
Video Format	NDl®HX3: Main Stream: 3840*2160P15~60; 1920*1080P15~60; 1280*720P15~60; 1024*576P15~60; Sub Stream: 640*360P15~30 3G-SDI: 1920*1080P60/59.94/50/30/29.97/ 25/24/23.98; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25 USB Type-C: NV12: 1920*1080P5;1280*720P15; 1024*576P25;800*448P30; YUYV: 1920*1080P5;1280*720P15; 1024*576P25;800*448P30; MJPG: 3840*2160P30;1920*1080P60; 1280*720P60;1024*576P60;800*448P60; H264/H265:3840*2160P30;1920*1080P60; 1280*720P60;1024*576P60;800*448P60	HDMI: 3840*2160P15~60; 1920*1080P15~60; 1280*720P15~60; 1024*576P15~60;

Image Parameters

Noise Reduction	2D&3D
Minimum lux	0.5 lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	Auto/Manual/ATW/Push/Indoor/Outdoor/Color Temperature
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip	Supported
Mirroring	Supported
Focus	Auto/Manual
Iris	Auto/Manual
Electronic-shutter	Auto/Manual
Gamma	Supported
Backlight Compensation	Supported

IP Streaming

Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~122800Kbps
Network Port Speed	1000M
Protocol	NDl®HX3, SRT, HTTP, HTTPS, RTSP, RTMP, RTMPS, ONVIF, VISCA over IP(TCP&UDP), VISCA, PELCO P/D, SSDP, FreeD, NTP, RTP Multicast, WebRTC, MPEG-TS

Pan/Tilt Movement

Preset	Remote controller: 10; Serial port: 256; Accuracy: 0.1°
Pan Rotation Angle	-170°~+170°
Tilt Rotation Angle	-30°~+90°
Pan Rotation Speed	0.1°~120°/s
Tilt Rotation Speed	0.1°~80°/s

I/O Interface

Control Port	RS232(RS485), NDl®HX3	
Video Port	NDl®HX3, 3G-SDI, USB Type-C	NDl®HX3, HDMI, USB Type-C
Audio Port	stereo 3.5mm linear inputs	
Tally	Supported	
POE+	Supported	
Daisy Chain	Supported	

General

Input Voltage	DC12V, POE+(IEEE802.3at)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Dimension（L×W×H）	220mmx190mmx173mm
Net Weight	1.5kg(3.3LBS)
Color	Black/White

Audio Input
3.5mm stereo line in

Remote control port
RS232, RS485

Power Supply
POE+, DC12V

Video Output
USB Type-C, HDMI (or 3G-SDI), NDl®HX3

DRIVE+ N

NDI®HX Live Streaming PTZ Video Camera

Broadcast Level, Enterprises Cost Live Streaming

Drive+ N series is integrated with latest NDI®HX technology, equipped with an industry-level image processing solution, an advanced 2.4MP sensor, and 12X or 20X optical zoom lens, to deliver sharp and high-definition video.
With NDI®HX, HDMI, 3G-SDI, and USB3.0 video output connectivity, it can be used in various applications to produce and stream video, for studio room, classroom, meeting room, church, etc.
With 12X and 20X optical zoom available, the Drive+ N can fit seamlessly into any production scenario.

NDI®HX │ 12X/20X │1080P60
POE+

FHD resolution

Boasting a robust image processor and a 1/2.8-inch 2.4MP sensor, Drive+ 12/20 delivers FHD video resolution of 1920*1080p60, ensuring clear, sharp, lifelike images, even in low-light environments.

12x/20x optical zoom

It features a 12X optical zoom lens with a 72.5-degree wide angle or a 20X optical zoom lens with a 60-degree field of view. Its proprietary focusing algorithm ensures fast, precise focus even during zoom or movement.
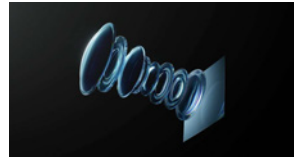
NDI®HX/3G-SDI/HDMI/USB 3.0 Available.

In addition to NDI®HX, it simultaneously outputs images via 3G-SDI, HDMI, and USB3.0. 3G-SDI and HDMI are for traditional video production, while the USB output can function as a high-end webcam.

Program and Preview Tally

The camera's indicator doubles as a Tally light, synchronizing with NDI® device notifications and monitoring your live stream's status.

Specifications

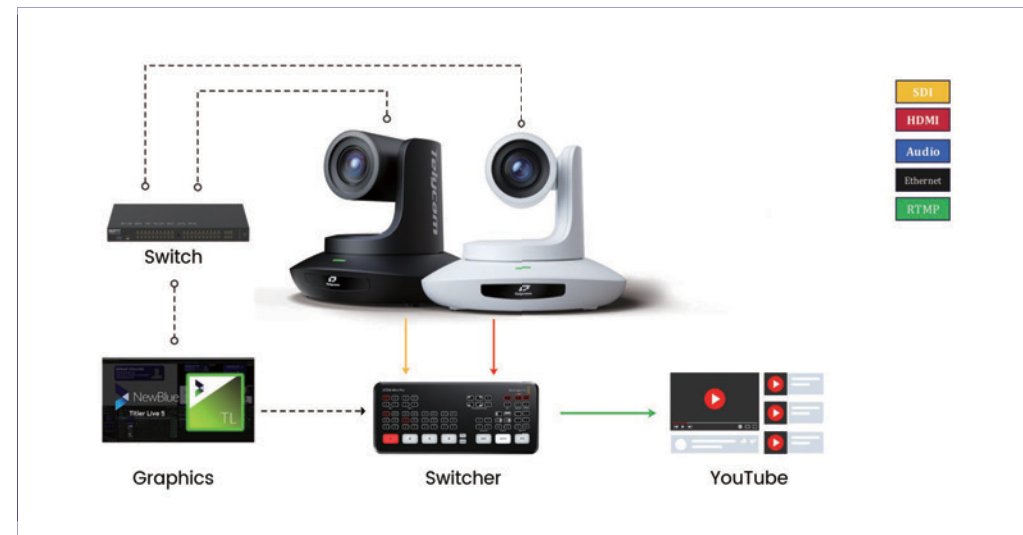| Camera	Drive+ N 12x	Drive+ N 20x
Part Number	TLC-300-IP-12(NDI)	TLC-300-IP-20(NDI)
Sensor	1/2.8 inch, 2.4MP UHD CMOS sensor	
Zoom	12X optical zoom	20X optical zoom
Lens	f=3.92~47.32mm, F1.8~F2.8	f =5.2~98mm, F1.5~F3.0
Horizontal View Angle	72.5°(Wide)~6.3°(Tele)	55.8°(Wide)~3.2°(Tele)
Vertical Viewing Angle	42.72°~3.66°	32.2°~1.8°
Diagonal Viewing Angle	78.58°~7.42°	61.0°~3.64°
Minimum Working Distance	1.0m	1.0m
S/N Ratio	≥50dB	
Video Format	HDMI: 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 NDI®HX: 1920*1080@3~60; 1280*720@3~60; 1024*576@3~60; 640*360@3~60 (low bandwidth mode) 3G-SDI: 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 USB3.0: 1920*1080P60/50/30/25(USB 3.0); 1280*720P60/50/30(USB 3.0); 1280*720P25(USB 3.0&USB 2.0); 1024*576P30(USB 3.0&USB 2.0); 960*540P30(USB 2.0); 640*360P30(USB 2.0); 512*288P30(USB 2.0)	

Image Parameters	
Noise Reduction	2D&3D
Minimum lux	0.7 lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	ATW/Manual/Auto/Indoor/Outdoor/One Push/Sodium/Fluorescent
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip	Supported
Mirroring	Supported
Focus	Auto/Manual
Iris	Auto/Manual
Electronic-shutter	Auto/Manual
Gamma	Supported
Backlight Compensation	Supported

IP Streaming	
Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~16384Kbps
Network Port Speed	1000M
Protocol	NDI®HX, SRT, HTTP, RTSP, RTMP, DHCP, ONVIF, VISCA over IP, VISCA TCP, VISCA UDP, Pelco P/D, RTP Multicast, HTML

Pan/Tilt Movement	
Preset	Remote controller: 10; Serial port: 128; Accuracy: 0.1°
Pan Rotation Angle	-170°~+170°
Tilt Rotation Angle	-30°~+90°
Pan Rotation Speed	0.1°~120°/s
Tilt Rotation Speed	0.1°~80°/s

I/O Interface	
Control Port	RS232, RS485, NDI®HX, USB 3.0(UVC1.5), USB 2.0(UVC1.1)
Video Port	NDI®HX, HDMI, 3G-SDI, USB3.0
Tally	Supported
POE+	Supported
Daisy Chain	Supported

General	
Input Voltage	DC12V, POE+(IEEE802.3at)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Dimension（L×W×H）	220mmx190mmx173mm
Net Weight	1.35kg
Color	Black/White

Power Supply
POE+, DC12V

Remote control port
RS232, RS485

Video Output
HDMI, 3G-SDI, USB3.0 , NDI®HX

Telycam

DRIVE+ SE

Stream at Broadcast Quality: An Enterprise-Level Solution for Live Streaming

The Drive+ SE seamlessly integrates the most recent NDI®HX technology. With state-of-the-art image processing, an impressive 2.4MP sensor, and a 20X optical zoom lens, this equipment promises video of exceptional clarity and definition.
Its compatibility with NDI®HX, 3G-SDI(or HDMI), and USB3.0 video outputs ensures its adaptability across various scenarios—be it a professional studio, an educational classroom, a business meeting room, or a religious setting like a church.
Step into the future of effortless video content creation!

NDI®HX/3G-SDI (OR HDMI)
USB3.0 │ 20X │ 1080P60

Full HD Clarity

The Drive+ SE features an industry-leading image processor and a 1/2.8-inch 2.4-megapixel sensor, delivering FHD video at 1920x1080p60. It pro-vides vivid, sharp visuals even in challenging low-light conditions.

Precision Zoom

With a 20X optical zoom lens and a 60-degree field of view, the Drive+ SE ensures rapid, accurate focus with its proprietary algorithm. Capture every detail effortlessly, whether zooming in or panning.
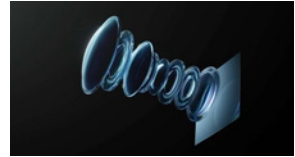
Latest NDI®HX Integration

Using Newtek's NDI® technology, the Drive+ SE enables seamless plug-and-play integration across various live streaming platforms.

Versatile Outputs

In addition to NDI®HX, the Drive+ SE simultaneously outputs via 3G-SDI and USB3.0, providing unmatched connectivity flexibility.

Intuitive Tally System

The built-in indicator light doubles as a tally, responding to notifications from NDI® devices. Easily discern when you're live with a glance.

Specifications

Camera	Drive+ SE	
Part Number	TLC-300-IP-20(NDI)-SE-NDI	TLC-300-IP-20(NDI)-SE-HDMI
Sensor	1/2.8 inch, 2.4MP UHD CMOS sensor	
Zoom	20X optical zoom	
Lens	f=4.9mm~98 mm, F1.5~F3.0	
Horizontal View Angle	60°(Wide)~3.2°(Tele)	
Vertical Viewing Angle	34.14°~1.12°	
Diagonal Viewing Angle	67.08°~2.27°	
Minimum Working Distance	1.0m	
S/N Ratio	≥50dB	
Video Format	NDI®HX: 1920*1080@3~60; 1280*720@3~60; 1024*576@3~60; 640*360@3~60 (low bandwidth mode) 3G-SDI (or HDMI): 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080I60/50/59.94; 1280*720P60/50/30/25/59.94/29.97 USB 3.0: 1920*1080P60/50/30/25(USB3.0); 1280*720P60/50/30(USB3.0); 1280*720P25(USB3.0&USB2.0); 1024*576P30(USB3.0&USB2.0); 960*540P30(USB2.0); 640*360P30(USB2.0); 512*288P30(USB2.0)	

IP Streaming

Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps~ 16384Kbps
Network Port Speed	1000M
Protocol	NDI®HX, SRT, HTTP, RTSP, RTMP, DHCP, ONVIF, VISCA over IP, VISCA TCP, VISCA UDP, Pelco P/D, RTP Multicast, HTML

Pan/Tilt Movement

Preset	Remote controller: 10; Serial port: 128; Accuracy: 0.1°
Pan Rotation Angle	-170°~+170°
Tilt Rotation Angle	-30°~+90°
Pan Rotation Speed	0.1°~120°/s
Tilt Rotation Speed	0.1°~80°/s

I/O Interface

Control Port	RS232, RS485, NDI®HX, USB 3.0(UVC1.5), USB 2.0(UVC1.1)
Video Port	NDI®HX, 3G-SDI(or HDMI), USB 3.0
Tally	Supported
POE+	Supported
Daisy Chain	Supported

General

Input Voltage	DC12V, POE+(IEEE802.3at)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Dimension（L×W×H）	220mmx190mmx173mm
Net Weight	1.35kg
Color	Black/White

Image Parameters

Noise Reduction	2D&3D
Minimum lux	0.7 lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	ATW/Manual/Auto/Indoor/Outdoor/One Push/Sodium/Fluorescent
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip	Supported
Mirroring	Supported
Focus	Auto/Manual
Iris	Auto/Manual
Electronic-shutter	Auto/Manual
Gamma	Supported
Backlight Compensation	Supported

Power Supply
POE+, DC12V

Remote control port
RS232, RS485

IN---RS232---OUT   HDMI   3G-SDI   USB3.0   NDI HX   DC12V

Video Output
HDMI (or 3G-SDI), USB3.0 , NDI®HX

Telycam

Camera	V-Joy	V-Joy+	V-Joy+ AT
Part Number	TLC-50TC	TLC-50TC(NDI)	TLC-50TC(NDI)-AT
Control Ports	RJ45, RS232, RS422, RS485	NDI®HX, RS232, RS422, RS485	NDI®HX, RS232, RS422, RS485
Auto Tracking	NO	NO	Supported
RJ45	Ethernet port, POE(IEEE802.3af)		
RS232	DB9 Male head		
RS422	3.81 Spacing terminal, T+, T-, R+, R-		
RS485	3.81 Spacing terminal,T+, T-		
Control Protocols	NDI®, NDI®HX, VISCA Serial, PELCO-P, PELCO-D, VISCA over IP, VISCA TCP, VISCA UDP, ONVIF		
Upgrade Port	Type-C		
LCD Screen	3.12-inch OLED screen, blue light, 256x64 pixel		
Working Power	12V,1A		
Working Temperature	-10℃~50℃		
Working Humidity	20%~80%		
Storage Temperature	-20℃~60℃		
Storage Humidity	≤90%		
Dimension	320.5mmx156.5mmx118mm		
Net Weight	1.05kg		

V-JOY/V-JOY+/V-JOY+ AT

IP, NDI®HX, Auto Tracking Version Optional

Broad Compatibility
Supports multiple protocols including NDI®HX, VISCA over IP, Serial VISCA, ONVIF, and PELCO P/D.
Users can control multiple cameras with different protocols using one keyboard, or multiple keyboards controlling one camera.
7 camera control shortcut keys enable control of up to 255 cameras.

Intuitive and Clear Layout
With detailed camera and control status display, it enables smooth control of the camera's pan, tilt, zoom, and focus. Numeric and functional areas are independently laid out for clear setup and control.

Flexible Control
Easily operated pan/tilt/zoom and adjustable speed and presets; Numerical buttons to set, recall, and clear up to 128 presets; Adjustable Focus, Iris, Exposure, White balance, WDR, and Backlight compensation.

Effortless Auto-tracking Control(Only for V-JOY AT)
Auto-tracking integration allows AT control with a button press. It supports precise customization of Target Position, PT Limitation, Initial Position, and Blackboard Area for efficient tracking.
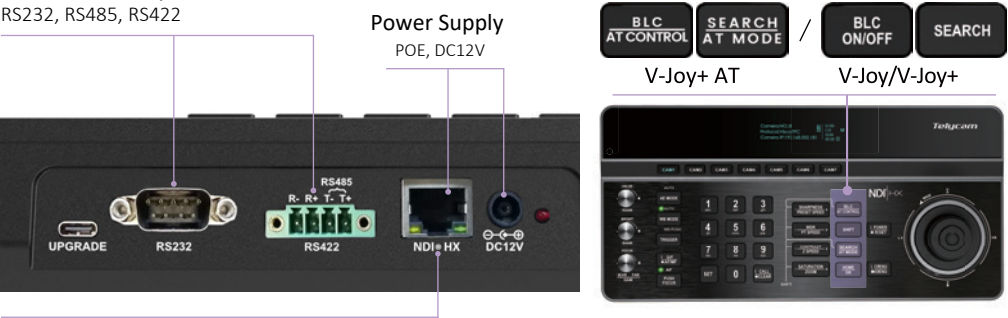

Remote control port
RS232, RS485, RS422

Power Supply
POE, DC12V

V-Joy+ AT   V-Joy/V-Joy+

UPGRADE   RS232   RS422   NDI®HX   DC12V

Video Output
IP (or NDI®HX)

Telycam

MEET+ 50

UHD PDAF Webcam for Desktop and Small Room

PDAF(Phase Detection Auto Focus) algorithm to achieve fast and accurate focusing.

Support ePTZ electronic pan/tilt, convenient and quick to use(below 1080P).

USB2.0 output, supports MJPG, YUY2 compression format.

Supports Windows, MAC OS, Android, Linux operating systems.

Built-in 2 omnidirectional microphones, sensitivity: -26 ± 2dB RL = 2.2KΩ Vs = 2.0V; signal-to-noise ratio: 64dB; pickup distance: 3m.

Multiple installation ways to meet the requirements of video shooting in different occasions.

Comes with a standard USB Type-C cable(1.5 meters) for effective connection between the laptop and the camera.

LED operational indicator light automatically illuminates upon activating the image display.

Specifications

Camera	Meet+ 50
Part Number	TLC-50-U2-4K
Sensor	1/2.55", 12.2MP UHD CMOS sensor
Horizontal View Angle	69.8°
Vertical Viewing Angle	54.59°
Diagonal Viewing Angle	81.5°
Zoom	3X digital zoom
EPTZ	Support
Output Interface	USB2.0(Type-A)
Video Format USB2.0(Type-C)	YUY2: 640*480@30/20; 640*360@30/20 MJPG: 4000*3000P15/10; 3840*2160P30/15/10; 2592*2194P30/15/10; 2048*1536P30/15/10; 1920*1080P60/30/15/10; 1600*1200P30/15/10; 1280*720P30/15/10; 800*600P30/15/10; 640*480P30/15/10; 320*240P30/15/10;

Image Parameters	
White Balance/Exposure/Focus	Auto/Manual
Flicker	50HZ/60HZ
2D Noise Reduction	Supported
WDR/Backlight contrast	Supported
Backlight Compensation	Supported
Mirror, Flip	Supported
Microphone Pointing	Omnidirectional microphone
Sensitivity	-26±2dB RL=2.2KΩ Vs=2.0V
Gamma/Brightness/Sharpness	Supported
Saturation/Contrast	Supported

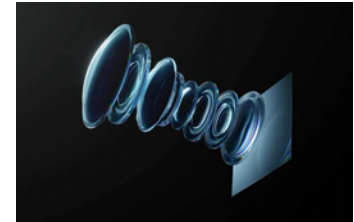| General	
Input Voltage	USB5V
Product certification	RoHS、FCC、CE
Working Environment	Temperature: -10℃~50℃; Humidity: ≤80%
Storage temperature	-20℃~60℃
Webcam Size	106mm×57.2mm×55.5mm
Package Size	144×103.5mm×50mm
Net Weight/Gross Weight	0.1kg/0.3kg
Accessories	1.5m USB2.0(A-C) cable, Manual

Video Output
USB Type-A

Telycam

4K sharp image and PDAF(Phase Detection Auto Focus)

The Meet+ 100 utilizes an advanced 4K image processor, a Sony 1/2.55" 12.2MP UHD CMOS sensor, and a 69.8° optical lens, supporting 4K30 and 1080p60 video output. PDAF ensures fast and accurate focusing at short distances.

3X Digital Zoom

Thanks to its true 4K lens, this zoom camera support max 3X digital zoom with crystal video quality. (3x at 1080P)

MEET+ 100

4K PDAF Camera

For desktop video conferencing and live streaming

Meet+ 100 is a high-quality 4K PDAF webcam. Only one USB(Type-C) cable is used to enable power, control and video. Thanks to being equipped with advanced image processing solution and sensor, it presents realistic color, sharp and smooth image.

Meet+ 100 is developed with Telycam's own-developing focusing algorithm, to make the focus unrivalled fast and accurate. Built-in top-rated quality microphone, it can pick up the voice crystal clearly.

Meet+ 100 is the ideal for desktop video conferencing and live streaming.

Flexible USB-A/-C Connection

The webcam features plug-and-play simplicity, equipped with a 1.5-meter dual-ended USB cable (Type-A to Type-C). Firmware upgrades via USB ensure seamless performance, while a built-in high-quality microphone captures crystal-clear audio.
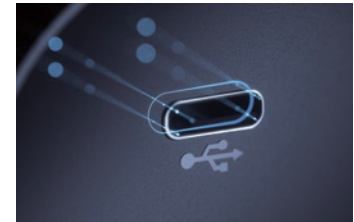
Black Light Compensation

This webcam also support black light compensation, to output always bright and clear image even under low light background.

4K30 │ 69.8°FOV
PRIVACY PROTECTION
PDAF(PHASE DETECTION AUTO FOCUS)

Security and Privacy Protection

Silicon lens cover help to prevent online hackers from spying on you, and keep the lens clean when the camera not in use.

Specifications

Camera — Meet+ 100

Camera	Meet+ 100
Part Number	TLC-100-U2-4K
Sensor	1/2.55" 12.2MP UHD CMOS sensor
Horizontal View Angle	69.8°
Vertical viewing angle	54.5°
Diagonal viewing angle	81.5°
Zoom	1080P supports 3X digital zoom
EPTZ	Supported
Output Interface	USB(Type-c)
Focus	PDAF (Phase Detection Auto Focus)

Video Format USB(Type-C)	YUY2: 800*600P15/10； 640*480P30/15/10 MJPG: 3840*2160P30/15/10； 2592*1944P30/15/10； 2048*1536P30/15/10； 1920*1080P60/30/15/10； 1600*1200P30/15/10； 1280*720P30/15/10； 800*600P30/15/10

Image Parameters

Image Parameters	
White Balance	Auto/Manual
Exposure	Auto/Manual
Flicker	50HZ/60HZ/OFF
2D Noise Reduction	Supported
WDR	Supported
Backlight Compensation	Supported
Mirror, Flip	Supported
Microphone Pointing	Omnidirectional microphone
Sensitivity	-26+2dB RL=2.2KQ Vs=2.0V
S/N Ratio	64dB

General

General	
Polar Distance	3~5m
Input Voltage	USB power supply
Working Environment	Temperature: -10℃~50℃; Humidity: ≤80%
Webcam Size	76mmxφ48mm
Package Size	114.5mmx87mmx85mm
Net Weight	0.2kg
Gross Weight	0.4kg
Available Color	Dark gray, Silver
Accessories	1.5m USB 2.0(A-C) cable, Manual

Video Output
USB 2.0

MEET+ 200

4K USB Webcam with Microphone

Impressive Image Quality
Adopt the most advanced image DSP and 1/2.8" 8.42MP sensor, to output 3840x2160@30 UHD resolution.
Used high quality 12MP and 120-degree optical full glass lens, output ultra-high definition and crisp image.
4x digital zoom.
Support Auto Framing: Auto Framing participants at meeting start or enter, leave, or change positions.
standard UVC 1.1 protocol, compatible with most VC application.

Collect the Voice Correctly
Built-in dual beam forming microphone, pick up voice at 5meters distance.

Connect Easily
USB2.0 output.
A single USB cable for video output, camera control and power supply directly, totally minimize cable clutter.
Flexible hinge design: fit for monitor, PC, tripod, wall mount and on desk mounting.
Support image flip function, camera can be installed upside down.

Specifications

Camera	Meet+ 200
Part Number	TLC-200M-U2-4K
Sensor	1/2.8 inch, 8.42MP SONY CMOS sensor
Video Format	YUY2/NV12: 1280*720@15; 1024*576@20; 640*480@30 MJPG: 3840*2160@30;2560*1440@30; 1920*1080@30; 1280*720@30; 1024*576@30; 640*480@30 H.264/H.265: 3840*2160@30; 2560*1440@30; 1920*1080@30; 1280*720@30; 1024*576@30; 640*480@30
Optical Zoom	12-megapixel fixed lens
Digital Zoom	4X
Field of Viewing	120°, distortion rate less than 4%
Iris	F=2.2
Sensor Resolution	8.42 megapixel
Control Port	USB2.0(UVC1.1/UAC1.0)
Video Port	USB2.0
S/N Ratio	>50dB
Focal Length	f=2.20mm
Minimum Lux.	0.7 lux(50 IRE Max AGC, 1/30, F1.8)
Image Parameters	
White Balance	Auto/Manual
Electronic Shutter	Auto
Mirror, Flip, Anti-flicker	50HZ/60HZ/OFF
WDR	Supported
General	
Polar distance	3~5 meters
Sensitivity	-26+2dB RL=2.2KQ Vs=2.0V
Input Voltage	4.4~5.25V@500mA(USB port)
Dimension (L x Wx H)	199mmx92.5mmx65mm
Color	Silver/Black
Net Weight	0.32KG

Video Output
USB 2.0

Telycam

MEET+ 3

UHD Video Conferencing Camera for small meeting rooms

Meet+ 3 is ideally used for video conferencing in small-sized meeting rooms. It is equipped with Sony 1/2.8-inch 8.4MP CMOS sensor and high quality 3X optical lens, to output crisp images with realistic color, even in low light or high contrast of brightness and darkness environment.
USB and HDMI can output different resolutions respectively at the same time, both can be up to 4K30. Power via USB-C port.
It works with any of your favorite conferencing software, totally plug and play, and user-friendly.

3X │ 4K30 │ USB&HDMI
POWER VIA USB-C

4K30 UHD output

Equipped with advanced image processing, cutting-edge algorithms, a Sony 1/2.8-inch 8.4MP CMOS sensor, and a high-quality lens, it outputs crystal clear images up to 4K30 UHD resolution.

3X optical zoom

Uses truly 3X optical zoom lens, with 90-degree wide angle FOV, to capture details in small room

USB and HDMI output

With USB-C and HDMI video ports, which can output the same or different resolutions respectively at the same time.

Power via USB-C

Meet+ 3 can power via a USB-C port directly, with no need for the power supply adaptor, which makes deployment even more simple, a single cable enables power, video, and control.


Plug and Play

Meet+ 3 is truly plug and play with no need for installing any driver, just open any of your favorite video conferencing software/platform to start the video chat immediately.

Smooth and silent PTZ movement

Thanks to the compact and sophisticated mechanism design, and accurate driven algorithms, Meet+ 3 can move very smoothly without noise at variable pan/tilt/zoom speed.

Easy deployment and easy control

You can use the matched remote controller, or your video conferencing software or any VISCA device to control it.
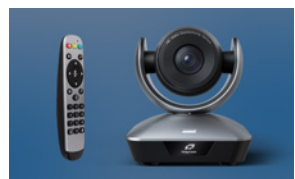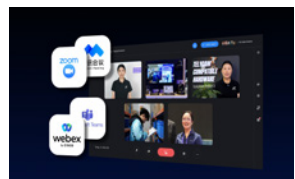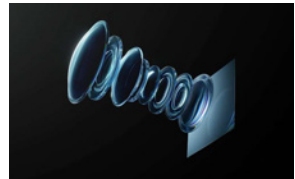
Specifications

Camera — Meet+ 3

Camera	Meet+ 3
Part Number	TLC-1000-HU2-3-4K
Sensor	1/3 inch, 8.4 MP CMOS Panasonic sensor
Zoom	3X optical zoom + 12X digital zoom
Lens	f=3.3mm~9.7 mm, F2.0-3.7
Horizontal View Angle	90°(Wide)~31.3°(Tele)
Vertical Viewing Angle	50.5°(Wide)~18.2°(Tele)
Minimum Working Distance	Wide: 0.5m; Tele: 1m
S/N Ratio	≥50dB

Video Format	HDMI: 3840*2160P30/25; 1920*1080P60//50/30/25; 1920*1080I60/50; 1280*720P60/50/30/25 USB2.0 Type-C: MJPG: 3840*2160P30/25; 1920*1080P/30/25; 1280*960P30/25; 1280*720P30/25; 1024*768P30/25; 800*600P30/25; 640*480P30/25; 320*240P30/25 YUY2: 640*480P30/25/20/15; 320*240P30/25/20/15

Image Parameters

Image Parameters	
Noise Reduction	2D&3D
Minimum lux	0.7 lux(50 IRE Max AGC, 1/30)
White Balance	Auto/Manual/indoor/Outdoor/C.T. /PUSH
Exposure	Auto/Manual/Shutter Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip	Supported
Mirroring	Supported
Focus	Auto/Manual
Iris	Auto/Manual
Electronic shutter	Auto/Manual
Gamma	Supported
WDR	Supported

Pan/Tilt Movement

Pan/Tilt Movement	
Preset	Remote controller: 10; Serial port: 128; Accuracy: 0.1°
Pan Rotation Angle	-170°~+170°
Tilt Rotation Angle	-30°~+90°
Pan Rotation Speed	0.1°~120°/s
Tilt Rotation Speed	0.1°~80°/s

General

General	
Input Voltage	DC: 12V
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Color	Silver
Dimension(LxWxH)	148mmx132mmx162mm
Net Weight	0.85kg(1.85LBS)
Accessory	Power adapter, Power cable, 3m USB Type-C cable, manual

Power Supply
DC12V

Video Output
HDMI, USB2.0

Remote control port
RS232/RS485

Telycam

MEET+ 10

Full HD Video Conferencing Camera

Meet+ 10X is ideally used for video conferencing in small and medium-sized meeting rooms. It is equipped with Panasonic 1/2.8"sensor and high quality 10X optical lens, to output crisp images with realistic color, even in low light or high contrast of brightness and darkness environment.

USB and HDMI can output different resolutions respectively at the same time, both can be up to 1080p60.

Power via USB-C port.

It works with any of your favorite conferencing software, totally plug and play, and user-friendly.

## 10X │ 1080P60 │ USB&HDMI
POWER VIA USB-C

1080p60 FHD output

Equipped with advanced image processing technology, cutting-edge algorithms, a Panasonic 1/2.8-inch sensor, and a high-quality lens, it outputs crystal-clear images with up to 1080p60 FHD resolution.

10X optical zoom

Featured with a high-quality 10X optical zoom lens, which is able to capture the participants at a distance of 10 meters, allowing the participants to occupy 1/3 of the screen in the display very clear and lively.
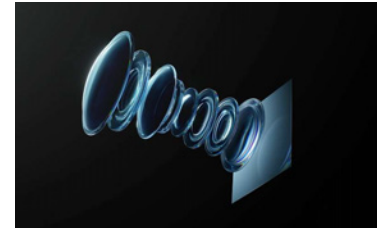
USB and HDMI output

With USB-C and HDMI video ports, which can output the same or different resolutions respectively at the same time.

Power via USB-C

Meet+ 10X can power via a USB-C port directly, with no need for the power supply adaptor, which makes deployment even more simple, a single cable enables power, video, and control.

Smooth and silent PTZ movement

Thanks to the compact and sophisticated mechanism design, and accurate driven algorithms, TLC-1000-HU2-10 can move very smoothly without noise at variable pan/tilt/zoom speed.

Specifications

Camera	Meet+ 10
Part Number	TLC -1000-HU2-10
Sensor	1/2.8 inch, 2.4MP CMOS Panasonic sensor
Zoom	10X optical zoom + 12X digital zoom
Lens	f=4.7~47mm, F1.6~3.0
Horizontal View Angle	62.5°(Wide)~6.43°(Tele)
Vertical Viewing Angle	40.1°~4.1°
Diagonal Viewing Angle	69.7°~7.56°
Minimum Working Distance	Wide: 0.5m; Tele: 1m
S/N Ratio	≥50dB

Video Format	HDMI: 1920*1080P60/59.94/50/30/29.97/25/24; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25 USB2.0 Type-C: MJPG: 1920*1080P60; 1280*960P60; 1280*720P60; 1024*768P60; 800*600P60; 640*480P30; 320*240P60 YUY2: 640*480P30; 320*240P30

Image Parameters

Noise Reduction	2D&3D
Minimum lux	0.7 lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	Auto/Manual/Indoor/Outdoor/C.T. /PUSH
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip	Supported
Mirroring	Supported
Focus	Auto/Manual
Iris	Auto/Manual
Electronic shutter	Auto/Manual
Gamma	Supported
WDR	Supported

Pan/Tilt Movement

Preset	Remote controller: 10; Serial port: 128; Accuracy: 0.1°
Pan Rotation Angle	-170°~+170°
Tilt Rotation Angle	-30°~+90°
Pan Rotation Speed	0.1°~120°/s
Tilt Rotation Speed	0.1°~80°/s

General

Input Voltage	5V 1000mA(via USB Type-C)/DC: 12V 2A(via Power Adapter)
Power Consumption	DC: 12V 2A(Pmax=7W)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Color	Silver
Dimension(LxWxH)	148mmx132mmx162mm
Net Weight	0.9kg(2LBS)
Accessory	Power adapter, Power cable, 3m USB Type-C cable, manual

Power Supply
DC12V

Video Output
HDMI, USB2.0

Remote control port
RS232/RS485

Telycam

MEET+ 10-U3

USB PTZ Camera for Middle and Small Meeting Room

To Make Collaboration Easy and Affordable

Meet+ 10-U3 is ideal used for video conferencing in the middle and small meeting room. It is equipped with 1/2.8"sensor and high quality 10X optical lens, to output crisp images with realistic color, even in low light or high contrast of brightness and darkness via3.0 port. USB3.0 can output different resolutions, up to 1080p60.

It works with any of your favorite conferencing software, totally plug and play, and user-friendly.

10X │ 1080P60
POWER VIA USB3.0 PORT

1080p60 FHD output

Equipped with advanced image processing, cutting-edge algorithms, a 1/2.8-inch sensor, and a high-quality lens, it outputs crystal clear images up to 1080p60 FHD resolution.

10X optical zoom

Uses truly 10X optical zoom lens, with 62.5-degree wide angle FOV, fast and accurate focus performance to capture details in large and middle room.
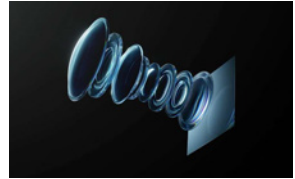
Plug and play

USB3.0 video output 1080p60 resolution, plug and play, work with any of your favorite video conferencing software.


Power via USB3.0 port

Meet+ 10-U3 can power via a USB3.0 port directly, with no need for the power supply adaptor, which makes deployment even more simple, a single cable enables power, video, and control.

Quiet and smooth PTZ movement

Thanks to the compact and sophisticated mechanism design, and accurate driven algorithms, Meet+ 10-U3 can move very smoothly without noise at variable pan/tilt/zoom speed.
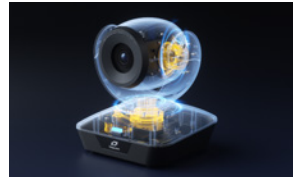
Easy installation and control

Meet+ 10-U3 is plug and play—no driver needed. Simply open your favorite live streaming or video conferencing platform, and control it with the remote control, the software, or any VISCA device.

Specifications

Camera	Meet+ 10-U3
Part Number	TLC -1000-U3-10P
Sensor	1/2.8 inch, 2.4 MP CMOS Panasonic sensor
Zoom	10X optical zoom, 12X digital zoom
Lens	f=4.7~47mm, F1.6-3.0
Horizontal View Angle	62.5°(Wide)~6.43°(Tele)
Vertical Viewing Angle	40.1°~ 4.1°
Diagonal Viewing Angle	69.7°~7.56°
Minimum Working Distance	Wide: 0.5m; Tele: 1m
S/N Ratio	≥50dB

Video Format	USB3.0: YUY2: 1920*1080P60; 1280*720P60; 1024*576P60; 640*480P60; 640*360P60 USB2.0: YUY2: 1280*720P25; 1024*576P30/25; 640*480P50/30/25; 640*360P60/50/30/25

General

General	
Input voltage	5V 1000mA(via USB3.0)/DC: 12V 2A(via Power Adapter)
Power Consumption	DC: 12V 2A(Pmax=7W)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Color	Silver
Camera Dimension	148mm×132mm×162mm
Net Weight	0.9kg(2LBS)
Package Dimension	28x24x24cm
Package Content	Remote Controller, RS232 cable, USB3.0 cable, Power Supply

Image Parameters

Image Parameters	
Noise Reduction	2D/3D
Minimum lux	0.7 lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	Auto/Manual/Indoor/Outdoor/Push/Sodium/Fluorescent
Focus	Auto/Manual
Iris	Auto/Manual
Electronic Shutter	Auto/Manual
BLC	Supported

Pan/Tilt Movement

Pan/Tilt Movement	
Pan Rotation Angle	-170°~+170°
Tilt Rotation Angle	-30°~+90°
Pan Rotation Speed	0°~120°/s
Tilt Rotation Speed	0°~80°/s
Preset	128 presets via RS232, 10 presets via remote controller
Control	RS232/RS485/USB/Remote Controller
Video Port	USB3.0

Power Supply
DC12V

Video Output
USB3.0

Remote control port
RS232/RS485

Telycam

MEET+ 12/20

Full HD Video Conferencing Camera

Meet+ 12/20 is ideally used for video conferencing in small and medium-sized meeting rooms. It is equipped with Panasonic 1/2.8"sensor and high quality 12X/20X optical lens, to output crisp images with realistic color, even in low light or high contrast of brightness and darkness environment.
USB and HDMI can output different resolutions respectively at the same time, both can be up to 1080p60.
Power via USB-C port.
It works with any of your favorite conferencing software, totally plug and play, and user-friendly.

## 12X/20X｜1080P60
USB&HDMI｜POWER VIA USB-C

1080p60 FHD output

Equipped with advanced image processing, cutting-edge algorithms, a Panasonic 1/2.8-inch sensor, and a high-quality lens, it outputs crystal clear images up to 1080p60 FHD resolution.

12X/20X optical zoom

Featured with a high-quality 12X/20X optical zoom lens, which is able to capture the participants at a distance of 10 meters, allowing the participants to occupy 1/3 of the screen in the display very clear and lively.
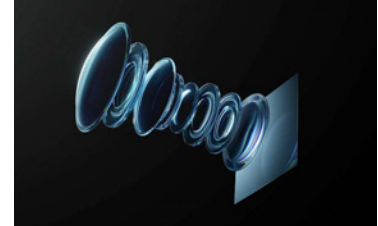
USB and HDMI output

With USB-C and HDMI video ports, which can output the same or different resolutions respectively at the same time.

Power via USB-C

Meet+ 12/20 can power via a USB-C port directly, with no need for the power supply adaptor, which makes deployment even more simple, a single cable enables power, video, and control.

Smooth and silent PTZ movement

Thanks to the compact and sophisticated mechanism design, and accurate driven algorithms, Meet+ 12/20 can move very smoothly without noise at variable pan/tilt/zoom speed.

Specifications

Camera

Camera	Meet+ 12	Meet+ 20
Part Number	TLC-300-HU2-12	TLC-300-HU2-20
Sensor	1/2.8 inch, 2.4MP CMOS Panasonic sensor	
Zoom	12X optical zoom + 12X digital zoom	20X optical zoom + 12X digital zoom
Lens	f=3.92~47.32mm, F1.8-2.8	f=4.9~98mm, F1.5-3.0
Horizontal View Angle	72.5°(Wide)~6.3°(Tele)	60°(Wide)~3.2°(Tele)
Vertical Viewing Angle	42.72°~3.66°	32.2°~1.8°
Diagonal Viewing Angle	78.58°~7.42°	61°~3.64°
Minimum Working Distance	Wide: 1m; Tele: 1.5m	Wide: 1m; Tele: 1.5m
S/N Ratio	≥50dB	

Video Format	HDMI: 1920*1080P60/59.94/50/30/29.97/25/24; 1920*1080I60/59.94/50; 1280*720P60/59.94/50/30/29.97/25 USB2.0 Type-C: MJPG: 1920*1080P60; 1280*960P60; 1280*720P60; 1024*768P60; 800*600P60; 640*480P30; 320*240P60; YUY2: 640*480P30; 320*240P30

Image Parameters

Noise Reduction	2D&3D
Minimum lux	0.7 lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	Auto/Manual/Indoor/Outdoor/C.T. /PUSH
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip	Supported
Mirroring	Supported
Focus	Auto/Manual
Iris	Auto/Manual
Electronic shutter	Auto/Manual
Gamma	Supported
WDR	Supported

Pan/Tilt Movement

Preset	Remote controller: 10; Serial port: 128; Accuracy: 0.1
Pan Rotation Angle	-170°~+170°
Tilt Rotation Angle	-30°~+90°
Pan Rotation Speed	0.1°~120°s
Tilt Rotation Speed	0.1°~80°/s

General

Input Voltage	5V 1000mA(via USB Type-C)/DC: 12V 2A(via Power Adapter)
Power Consumption	DC: 12V 2A(Pmax=8W)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Color	Silver
Dimension(LxWxH)	220mmx190mmx173mm
Net Weight	1.25kg(2.8LBS)
Accessory	Power adapter, Power cable, 3m USB Type-C cable, manual

Power Supply
DC12V

Video Output
HDMI USB2.0

Remote control port
RS232/RS485

Telycam

MEET+ 12/20-U3

USB PTZ Camera for Large or Middle Meeting Room

To Make Collaboration Easy and Affordable

Meet+ 12-U3/Meet+ 20-U3 is ideal used for video conferencing in the middle and large meeting room.

It is equipped with 1/2.8"sensor and high quality 12X/20X optical lens, to output crisp images with realistic color, even in low light or high contrast of brightness and darkness via3.0 port. USB3.0 can output different resolutions, up to 1080p60.

It works with any of your favorite conferencing software, totally plug and play, and user-friendly.

12X/20X │ 1080P60
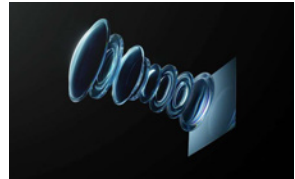## POWER VIA USB3.0 PORT

1080p60 FHD output

Equipped with advanced image processing solution and cutting-edge video camera algorithms, a 1/2.8 inch sensor and high-quality lens, to output crystal clear image, max up to 1080p60 full high definition resolution.
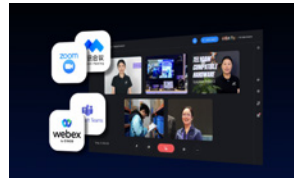

12X/20X optical zoom

Uses truly 12X optical zoom lens with 72.5-degree wide angle FOV or 20X optical zoom lens with 60-degree wide angle FOV, fast and accurate focus performance to capture details in large and middle room.

Plug and play

USB3.0 video output 1080p60 resolution, plug and play, work with any of your favorite video conferencing software.


Power via USB3.0 port

Meet+ 12-U3/Meet+ 20-U3 can power via a USB3.0 port directly, with no need for the power supply adaptor, which makes deployment even more simple, a single cable enables power, video, and control.

Quiet and smooth PTZ movement

Thanks to the compact and sophisticated mechanism design, and accurate driven algorithms, Meet+ 12-U3/Meet+ 20-U3 can move very smoothly without noise at variable pan/tilt/zoom speed.
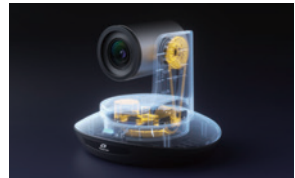
Easy installation and control

Meet+ 12-U3 / Meet+ 20-U3 is plug and play—no driver needed. Simply open your favorite live streaming or video conferencing platform, and control it with the remote control, the software, or any VISCA device.

Specifications

Camera	Meet+ 12-U3	Meet+ 20-U3
Part Number	TLC-300-U3-12P	TLC-300-U3-20P
Sensor	1/2.8 inch, high-quality 2.4MP HD CMOS sensor	
Zoom	12X optical zoom, 12x digital zoom	20X optical zoom, 12x digital zoom
Lens	f=3.92~46.8mm, F1.6~F2.8	f=4.9~98mm, F1.5~F3.0
Horizontal View Angle	72.5°(Wide)~6.48°(Tele)	60°(Wide)~3.2°(Tele)
Vertical Viewing Angle	42.72°~3.66°	32.2°~1.8°
Diagonal Viewing Angle	78.58°~7.42°	61°~3.64°
Minimum Working Distance	Wide: 1m; Tele: 1.5m	Wide: 1m; Tele: 1.5m
S/N Ratio	≥50dB	

Video Format	USB3.0： YUY2： 1920*1080P60/50/30/25; 1280*720P60/50/30/25; 1024*576P60/50/30/25; 640*480P60/50/30/25; 640*360P60/50/30/25 USB2.0： YUY2： 1280*720P25; 1024*576P30/25; 640*480P50/30/25; 640*360P60/50/30/25

General

Input Voltage	5V 1000mA(via USB3.0)/DC: 12V 2A(via Power Adapter)
Power Consumption	DC: 12V 2A(Pmax=8W)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Color	Silver
Camera Dimension	220mm×190mm×173mm
Package Dimension	32x30x31cm
Package Content	Remote Controller, RS232 cable, USB3.0 cable, Power Supply

Image Parameters

Noise Reduction	2D/3D
Minimum lux	0.7 lux(50 IRE Max AGC, 1/30, F1.8)
White Balance	Auto/Manual/indoor/Outdoor/Push/Sodium/Fluorescent
Focus	Auto/Manual
Iris	Auto/Manual
Electronic Shutter	Auto/Manual
BLC	Supported

Pan/Tilt Movement

Pan Rotation Angle	-170°~+170°
Tilt Rotation Angle	-30°~+90°
Pan Rotation Speed	0°~120°/s
Tilt Rotation Speed	0°~80°/s
Preset	128 presets via RS232, 10 presets via remote controller
Control	RS232/RS485/USB/Remote Controller
Video Port	USB3.0

Power Supply
DC12V

Video Output
USB3.0

Remote control port
RS232/RS485

SONO *Wireless Speakerphone*

SONO is designed to improve the way participants experience audio in video conferences in personal workspaces, small and medium-sized rooms. SONO incorporates a high-performance 1.75-inch speaker and eight advanced omni-directional microphones, with its direction-of-arrival recognition algorithm dynamically adjusting pickup towards the current speaker.

The SONO built-in Telycam AI noise reduction algorithm, can effectively filter out keyboard, knock, air conditioning, and other environmental noise, but also can turn off AI noise reduction, and restore the most realistic scene sound. It also integrates traditional 3A(AGC, AEC, ANC) algorithms and combines engineering tuning with real-world scenarios.


Smart sound EQ

Music mode intelligent switching

Telycam SONO can intelligently switch music mode according to the currently used scene, making the music effect more shocking and the voice effect clearer
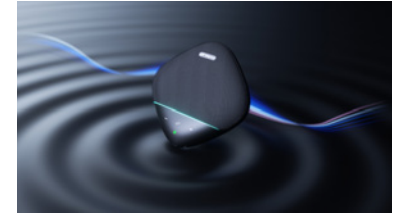
Long-lasting battery for worry-free travel without frequent charging

Telycam SONO can intelligently switch music mode according to the currently used scene, making the music effect more shocking and the voice effect clearer
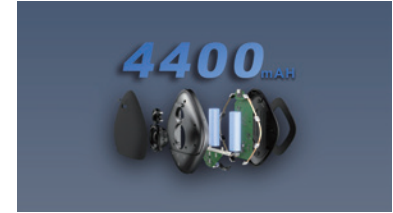
Gold Ear Pickup Technology

AI noise reduction algorithm implantation

Telycam SONO's AI noise reduction can effectively filter out non-voice noise such as keyboards, chairs, and knocks, making the call feel like a face-to-face.

DOA automatic speech direction recognition

Telycam SONO has 8 high-quality microphones, which can effectively identify sounds in all directions, and with the DOA algorithm, it can accurately determine the direction of the current speaker and dynamically adjust the pickup direction.

Specifications

Product Name	SONO
Part Number	TLC-80
Frequency response	90Hz-16kHZ
Sensitivity	>-26dBFS +/-1dB @ 1Pa
Number of MIC	8pcs mic array
Pickup range	5 meters radius
Audio function	AEC, AGC, ANC
Noise algorithm	Telycam AI Noise algorithm

Speaker

Frequency response (Music)	150Hz~18kHz
Frequency response (Talk)	200Hz~18kHz
Spec	1.75inch
Power	5W

System compatibility

Windows	Win7/8.1/10/11
Mac OS	10.10 and above
Android	7.11 and above Chrome OS

Application compatibility

Microsoft Teams, Zoom, GoToMeeting, Tencent meeting, WeChat, Ding Talk
USB UAC standard protocol, compatible with almost any cloud-based video application

Connect

Wire	USB2.0, UAC1.0
Wireless	Bluetooth V5.3
Bluetooth operating frequency	2.402~2.480GHz
Bluetooth output power	0.25mW(-6dBm)~2.5mW(4dBm), Normally at 1mW(0dBm)

Battery

Battery type	Li-ion	
Battery capacity	3.7V/4400mAh	
Use time	12 hours(Voice)	8 hours(Music)
Standby time	More than 1 year	

General

Operating Temperature	0~40℃
Storage temperature	-20~60℃
Humidity requirements	10%~90%RH Altitude: below 5000 m
Size of product	126×126×34mm
Size of package	156×156×64mm
Net Weight	400g
Gross weight	620g
Packaging accessories	USB data cable, USB Dongle

USB-C

SONO+ AI Link Speakerphone

Engineered for enterprise meetings, this speakerphone supports up to 8 wired cascades (USB Type-C) for full coverage in all room sizes. Equipped with an 8-mic array and high-sensitivity MEMS units, its AI-driven noise reduction and echo cancellation ensure crystal-clear pickup within a 5m radius. The high-dynamic speaker delivers immersive audio, while its futuristic design blends seamlessly into professional spaces. Connect effortlessly via wireless dongle to PCs or smart tablets—redefining seamless collaboration.

Scalability and Flexibility

• Seamless Expansion: Up to 8-unit wired daisy chaining via USB Type-C for scalable coverage across all meeting room sizes.
• Instant pairing with PCs or tablets via a stable 2.4GHz wireless dongle, eliminating cable clutter.

Audio Performance

• Crystal-Clear Voice Pickup: 8-mic array with high-sensitivity MEMS (SNR≥65dBA) captures voices with clarity up to 5 meters, even in challenging acoustic environments.
• Immersive Audio Output: High-dynamic speaker unit delivers rich, distortion-free sound that fills even large meeting spaces.

AI-Powered Proaudio

• Uninterrupted Communication: AI Noise Reduction & Echo Cancellation intelligently suppress 99% of distracting background noise, ensuring focused conversations.
• Lifelike Voice Detail: 32kHz high sampling rate in AI mode preserves the nuances of speech for natural, lifelike communication.

Design & Integration

• Sleek and modern aesthetic seamlessly integrates into professional environments, enhancing the overall look and feel.
• Durable construction ensures reliable performance and longevity, even with daily use in demanding office settings.

Specifications

Product Name	SONO+
Part Number	TLC-85
Microphone Type	8-array omnidirectional
Frequency response	100Hz~16kHz （32kHz High sampling rate）
Sensitivity	>-26dBFS +/-1dB @ 1Pa
Pickup range	5m radius (max), 3m recommended
Audio function	AEC, AGC, ANC
Noise algorithm	Telycam AI Noise algorithm
Mic Sampling Rate (AI Mode)	32kHz
Mic SNR	≥65dBA
Speaker Power	1×5W Max
Frequency Response (Output)	120Hz~18kHz
Max SPL	82dBSPL@1m (pink noise, max power)
Distortion	≤1% @1W, 1kHz

Image Parameters

Microsoft Teams, Zoom, GoToMeeting, Tencent meeting, WeChat, DingTalk
USB UAC standard protocol, compatible with almost any cloud-based video application

I/O Interfaces

Wired Cascade	Up to 8 units via USB Type-C
Wireless Connection	2.4GHz dongle (10m range)
Bluetooth Version	BT5.3+BLE (10m range)
Host Interface	USB Type-C (shared with cascade)
Power Interface	DC2.0 (15V/2.4A adapter)

Ease of Use

Control Buttons	5 keys (Mic, Vol±, Call, Bluetooth)
LED Indicators	Power/Volume/Mic/Call status
Dongle Compatibility	Windows 8.1+/macOS 10.10+
Plug-and-Play	Driver-free automatic detection

Wireless Bluetooth/Dongle

Wireless frequency	2.4GHz
Communication protocol	Self-defined
Transmit audio bandwidth	32kHz in both directions
Working distance	10m
Function	Support audio playback, HD audio input, support Windows 81/10/11, MAC OS10.10 AND LATER

Power Supply

Power supply mode	DC IN，Adapter
Supply voltage	15V
Supply current	2.4A

Dimensional Weight

Dimensions	130mm×130mm×63.2mm
Package size (L×D×H)	405mm×200mm×82mm
Net weight	0.51kg
Gross weight	1.56kg

Environmental Factors

Operating temperature	0℃~40℃
Operating humidity	10%~90%RH
Operating temperature	-20℃~60℃
Operating humidity	10%~90%RH
Altitude	Below 5000 meters

Power Supply
DC2.0 (15V/2.4A)

USB-C Port