



4K NDI PTZ Camera

IT-60 / IT-61 / IT-61B

Equipped with high quality 4K CMOS sensor and multiple interfaces, NDI®|HX2 capability, achieve a ultra low-latency and high quality A/V transmission ,provide high quality A/V experiences and seamless communication for end users.



Features

4K UHD

IT-60:

Use a high -quality 1/1.8 inches UHD CMOS sensor with 8.42 million pixels.

IT-61 / IT-61B:

Use a high -quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

Optical Zoom + Wide -angle Lens

IT-60:

4K optical lens, support max 20x optical zoom(40x lossless in 1080P) and 60° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

IT-61:

4K optical lens, support max 12x optical zoom(24x lossless in 1080P) and 71° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

IT-61B:

4K optical lens, support max 12x optical zoom(24x lossless in 1080P) and 80.8° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

Low Power Sleep

It supports low-power sleep/wake-up and consumes less than 400mW in sleep mode.

Remote Control

Support multiple ways of control, like RS232, RS485, Network and USB.

Local Storage

Support U disk local storage, local recording directly without NVR.

Non-compressed video stream

HDMI1.4b and 3G-SDI I/O, can output non-compressed video stream.

Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 57dB S/N ratio.

Smart Exposure

Effectively solve the impact of projection, TV and other equipment on shooting people.

NDI®|HX2¹

Support low-latency NDI®|HX2 protocol, plug to play, minimal configuration and easy for deployment.

Multiple Interfaces

HDMI1.4b, 3G-SDI(Up to 150meters transmission with 1080P30), LAN. Support HDMI/3G-SDI, LAN streaming simultaneously.

Remark:

1. This function is optional.

Product Specification

| Difference | IT-60 | IT-61 | IT-61B |
|----------------|---|---|------------------------------------|
| Sensor | 1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixels | 1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels | |
| Lens | 20x, f=6.25mm~125mm, F1.58~F3.95 | 12x, f=4.4mm~52.8mm, F1.8~F2.6 | 12x, f=3.47mm~41.65mm, F1.84~F3.72 |
| Horizontal FOV | 60° ~3.5° | 71° ~ 8.2° | 80.8° ~ 7.5° |
| Vertical FOV | 35.7° ~ 2.0° | 42.7° ~ 4.5° | 49.9° ~ 4.3° |

Camera Spec

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|-------------------------|--|
| Signal System | HDMI: 4KP30, 4KP25, 4KP29.97, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P59.94, 1080I59.94, 1080P29.97, 720P60, 720P59.94; 3G-SDI: 1080P/60, 1080P/50, 1080P/30, 1080P/29.97, 1080P/59.94, 1080P/25; 1080I/60, 1080I/50, 1080I/59.94; 720P/60, 720P/59.94; |
| Scanning Mode | Progressive |
| Digital Zoom | 16x |
| Minimum Illumination | 0.5Lux @ (F1.8, AGC ON) |
| Shutter | 1/30s ~ 1/10000s |
| White Balance | Auto, Indoor, Outdoor, One Push, Manual, VAR |
| Backlight Compensation | Support |
| Digital Noise Reduction | 3D Digital Noise Reduction |
| SNR | ≥ 57dB |
| Pan Angle | ±170° |
| Tilt Angle | -30° ~ +90° |
| Pan Speed | 1.7° ~ 100° /s |
| Tilt Speed | 1.7° ~ 69.9° /s |
| Image Flip | Support |
| Image Freeze | Support |
| PoE | Support |
| Preset Position | 255 |
| Preset Accuracy | 0.1° |

I/O

| | |
|-------------------|--|
| HD Output | 1 x HDMI: Version 1.4b; 1 x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard |
| Network Interface | 1 x RJ45: 10M/100M/1000M adaptive Ethernet |
| Audio Interface | 1 x LINE IN: 3.5mm Jack 1 x LINE OUT: 3.5mm Jack |
| USB Interface | 1 x USB3.0, Type-B ¹ 1 x USB2.0, Type-A (Support Host or Device mode) |
| Control Interface | 1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only |
| RESTORE Button | Support |
| Power Interface | JEITA type (DC IN 12V) |

Network Spec

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|--------------------------|---|
| Video Compression | H.265 / H.264 / MJPEG |
| Video Stream | First Stream, Second Stream |
| First Stream Resolution | 3840x2160, 1920x1080, 1280x720, 1024x576 etc. |
| Second Stream Resolution | 720x576, 720x480, 320x240 etc. |
| Video Bit Rate | First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps |
| Bit Rate Control | VBR, CBR |
| Frame Rate | 50Hz: 1fps~50fps, 60Hz:1fps~60fps |
| Audio Compression | AAC、G711A |
| Audio Bit Rate | 96Kbps、128Kbps |
| Protocols | NDI® HX2,SRT,TCP/IP, HTTP, RTSP, RTMP/RTMPS, Onvif,DHCP,GB/T 28181, Multicast, etc. |

USB Spec

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| Operating System Supported | Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers |
| Color System / Compression | YUY2 / H.264 / MJPEG /H.265 |
| Video Format | YUY2: Max.1080P5 (USB2.0) ; YUY2: Max.1080P30 (USB3.0) ¹ ; H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max. 2160P30 |
| USB Audio | Support |
| USB Video Communication Protocol UVC PTZ Control | UVC 1.1~1.5 |
| | Support |

Generic Spec

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|-------------------------|-----------------------|
| Input Voltage | DC 12V /PoE (802.3at) |
| Input Current Operating | 1.5A (Max.) |
| Temperature Storage | 0° C ~ 40° C |
| Temperature Power | -40° C ~ 60° C |
| Consumption | 13W (Max.) |
| Dimension | 169mm x 142mm x 164mm |
| Net Weight | 1.6kg |