IT-FHDCC15 Series

HD Video Conference Camera

Full HD, Wide View Angle, Multi-protocols, Multiple Video Interfaces

The **IT-FHDCC15** series camera offers perfect functions, superior performance and rich interfaces. The features include advanced ISP processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic color rendition. It supports H.264/H.265 encoding which makes motion video fluent and clear even under less than ideal bandwidth conditions.

Features

- **Superb High-definition Image**

  IT-FHDCC15 employs **1/2.8 inch** high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60fps.

- **Leading Auto Focus Technology**

  Leading auto focus algorithm makes lens a fast, accurate and stable auto-focusing.

- **Low Noise and High SNR**

  Low Noise CMOS effectively ensure high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness.

- **Audio Input Interface (for future development)**

  Support 16000, 32000, 44100, 48000 sampling frequency and AAC, MP3, PCM audio coding.

- **Wide-range, Quiet and Quick Pan/Tilt Mechanism**

  By adopting step driving motor mechanism, **IT-FHDCC15** camera works extremely quiet and moves smoothly.

- **Multiple Audio/Video Compression**

  Support H.264/H.265 video compression; AAC, MP3 and PCM audio compression; Support compression of resolution up to 1920x1080 with frame up to 60fps and 2 channel 1920x1080p with 30fps compression.

- **Multiple Network Protocol**

  Support ONVIF, RTSP, RTMP protocols and support RTMP push mode, easy to link streaming media server (Wowza, FMS)

- **RS-232 Cascade Function**

  Support RS-232 cascade function which is convenient for installation.

- **Wide Application**

  Tele-education, Lecture Capture, Webcasting, Videoconferencing, Tele-training, Tele-medicine, Interrogation and Emergency command systems.
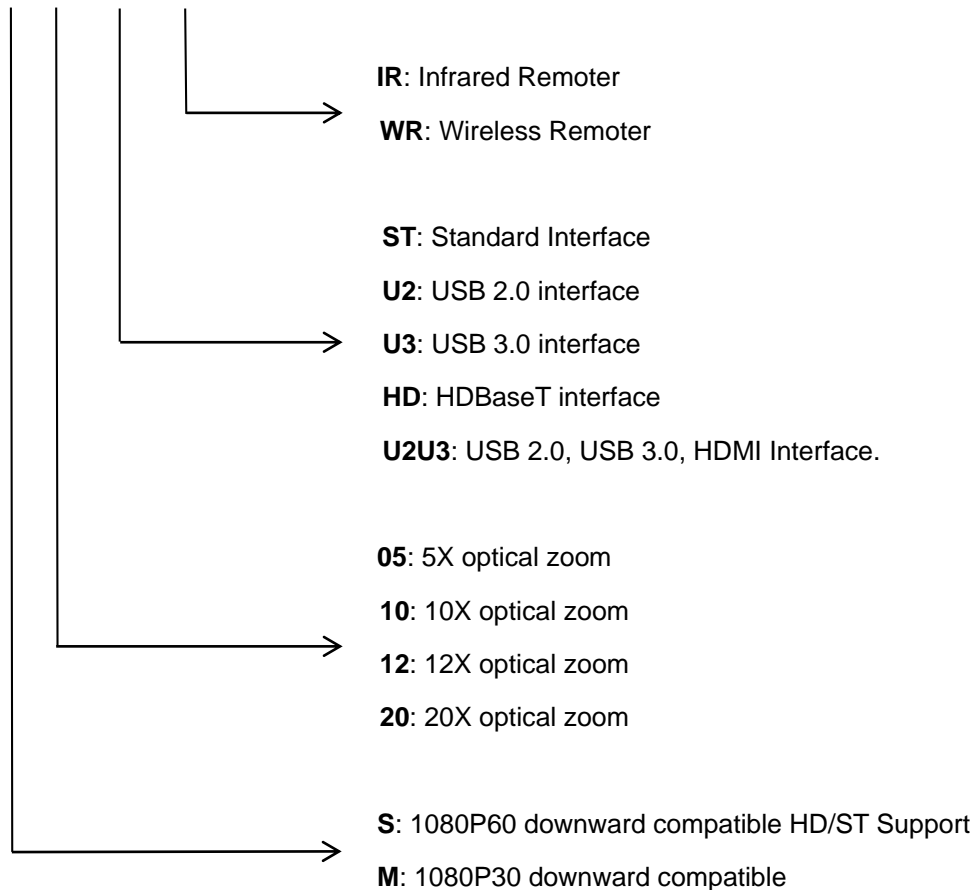
- **Low-power Sleep Function**

  Support low-power sleep/wake up, the consumption is lower than 400mW under sleep mode.

Order Series

Name Product: **IT-FHDCC15**

X: Variable letters and numbers

IT-FHDCC15X-XX-XXX-XX

IR: Infrared Remoter

WR: Wireless Remoter

ST: Standard Interface

U2: USB 2.0 interface

U3: USB 3.0 interface

HD: HDBaseT interface

U2U3: USB 2.0, USB 3.0, HDMI Interface.

05: 5X optical zoom

10: 10X optical zoom

12: 12X optical zoom

20: 20X optical zoom

S: 1080P60 downward compatible HD/ST Support

M: 1080P30 downward compatible

Specifications

Model	IT-FHDCC15-05	IT-FHDCC15-10	IT-FHDCC15-12	IT-FHDCC15-20
Optical Zoom	5X f＝3.6～18mm	10X f＝4.7～47mm	12X f＝3.9～46.1mm	20X f＝5.2～98mm
Sensor	1/2.8 inch high quality HD CMOS sensor			
Effective Pixels	16: 9,　2.07 megapixel			
Video Format	**HDMI / SDI / HDBaseT video format:** 1080P 60/50/30/25/59.94/29.97；1080P 60/50/59.94；720P 60/50/30/25/59.94/29.97 **USB 3.0 interface video format:** 1) U3: 1920X1080P 60/50/30/25；1280X720P 30/25/15/10 ；960X540P 30 ；640X360P 30 2) U3 compatible with U2: 960X540P 30；640X360P 30；1280X720P 10/15；720X576P 30；720X480P30 **USB 2.0 interface video format:** 176x144 / 320x240 / 320x180 / 352x288 / 640x480 / 720x480 / 720x576 / 640x360 / 800X600 / 960X540 / 1024X576 / 1024X768 / 1280X720 / 1920X1080P 30/25/20/15/10/5			
View Angle	16.3°(tele)--80.9°(wide)	6.43°(tele)--60.9°(wide)	6.3°(tele)--72.5°(wide)	3.3°(tele)--54.7°(wide)
AV	F1.6 – F3.0	F1.6 – F3.0	F1.8 – F2.4	F1.6 – F3.5
Digital Zoom	10X			
Minimum Illumination	0.5Lux (F1.8, AGC ON)			
DNR	2D & 3D DNR			
White Balance	Auto / Manual/ One Push/ 3000K/ 4000K/5000K/6500K			
Focus / Aperture / Electronic Shutter	Auto/Manual			
BLC	ON/OFF			
WDR	OFF/ Dynamic level adjustment			
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve			
SNR	>55dB			
Input / Output Interface				
Video Interfaces	**IT-FHDCC15-05/10/12/20-ST** Model： SDI, HDMI, LAN, RS232 (In & Out), RS485, A-IN **IT-FHDCC15-05/10/12/20-U2** Model： USB2.0, LAN, RS232 (In & Out), A-IN **IT-FHDCC15-05/10/12/20-U3** Model： USB3.0, LAN, RS232 (In & Out), A-IN **IT-FHDCC15-05/10/12/20-HD** Model： HDBaseT (POC), LAN , A-IN **IT-FHDCC15-05/10/12/20-HM** Model： HDMI, LAN, RS232（In） **IT-FHDCC15-05/10/12/20-U2U3** Model： USB2.0, USB3.0, HDMI, LAN, RS232（In）			
Video Format	H.264, H.265, Dual stream output Video Compression			
Control Protocol	VISCA / PELCO-D / PELCO-P; Baud Rate:115200/9600/4800/2400bps			
Audio Input Interface	Double track 3.5mm linear input;			
Audio Format	AAC/MP3/PCM Audio compression			
HD IP Interface	100M IP port (100BASE-TX); Support VISCA protocol control through IP port.			
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181 (**IT-FHDCC15-U2** don't support ONVIF)			
Power Interface	HEC3800 outlet (DC12V)			
PTZ Parameter				
Pan/Tilt Rotation	±170°,-30°～+90°			
Pan Control Speed	0.1 -60°/sec			
Tilt Control Speed	0.1-30°/sec			
Preset Speed	Pan: 60°/sec, Tilt: 30°/sec			
Preset Number	255 presets (10 presets by remote controller)			
Other Parameter				
Supply Adapter	AC110V-AC220V to DC12V/1.5A			
Dimension	150mm X 150mm X 167.5mm			
Weight	1.4KG			
Remote Operation (IP)	Remote Upgrade, Reboot and Reset			

Dimensions (mm)