

● FBC-1-4K12S-SMB

KEY FEATURES



- 1 Inch CMOS sensor, Effective pixel: 20.5 Megapixels
- Resolution: 4K,1080P,720P
- Zoom: Optical 12X, Digital 12X. SRZ Feature
- Image Stabilizer, ePTZ
- Video Output: HDMI, HDBaseT,3G-SDI
- Power: DC 12V, HDBaseT POH, POE (IEEE 802.3at)
- HDBaseT Receiver is needed for HDBaseT 4K video output.



DESIGN



- First Fixed Zoom block camera equipped with a full 1-inch CMOS sensor for brilliant, Broadcast-quality, Super-High-Resolution image at 4K30, with Super-Resolution Zoom (SRZ) to allow for 18X zoom at 4K, or 24X zoom at FHD. Full HD footage can also be captured at up to 1080P60, which is optimal for capturing fast, spontaneous action.
- Compatible with most standard PT Heads allowing the camera to be controlled remotely with ease using Sony's VISCA protocol, which allows for easy integration into applications such as Broadcast, House of Worship, Stage, Studio, and Tripod
- HDBaseT supported to carry video, audio, control, and power via a single CAT6 cable up to 100 meters for easy installation and management.

FUNCTIONALITY

- Ideal for video-conferencing, house of worship, educational environment, corporate training,distance learning.
- HDMI, HDBaseT for 4K video output. Can be used as a full functional 4K PTZ camera without HDBaseT receiver.
- Using HDBaseT, over one CAT 6 cable delivers: Camera Power, 4K Video, RS232, RS422/485, Audio, IR Control transmission up to 80 meters(4K)/100 meters(FHD) distance.
- Use IR controller to control the camera from remote side via HDBaseT receiver.Variable zoom speed.
- Standard and ceiling mounting installation holes with E-Flip function
- Tally Light and multiple image setting features.
- Built-in audio over SDI video signal.



FBC-1-4K12S-SMB



RJ45-RS232
VCC-CC45232



RJ45-RS422/232
VCC-CC45RS



BL-BR4K-1 Back



BL-BR4K-1 Front

* This HDBaseT receiver is not an IP video encoder. The LAN Port is IP Pass-Thru for the camera with IP control or IP streaming functionality. Do not use it as an IP video encoder. The IP Pass-Thru function does not apply to Model FBC-1-4K12S-SMB.

Product Specification

Model No	FBC-1-4K12S-SMB
Camera	12X 4K
Image Sensor	1 Inch "Exmor R" CMOS sensor, Effective pixel number: 20.5 Megapixels
Effective pixel number	5544 x 3694, 20.5 Megapixels
Recording pixel number	3840 x 2160, 8.29 Megapixels
Lens	Optical Zoom 12X, Digital Zoom 12X, with SRZ feature, 18X zoom at 4K, or 24X zoom at FHD.
Super Resolution Zoom(SRZ)	1.5X @4K, 2.0X @FHD/HD
Digital Zoom	9.3mm(Wide)-111.6mm(Tele),29.0 mm to 348.0 mm (35 mm camera conversion)
Horizontal Angle of View	12X
Aperture	64.6°(W)~6.1°(T)
Min. Working distance	F2.8 Constant (W)~(T), 16 Steps
Min. Illumination	10mm(wide end), 2100mm(tele end)
Shutter Speed	0.5 lx (1/30 sec, 50%, High Sensitivity mode On); 2.0 lx (1/30 sec, 50%, High Sensitivity mode Off)
Focus	1/1~1/10000s (22 steps)
White Balance	Auto Focus(Trigger/Interval), Manual Focus(Variable Speed), One Push Trigger, Near Limit,
Exposure	AUTO, ATW, Indoor, Outdoor, One Push WB, Manual WB, Outdoor Auto, Sodium Vapor Lamp (Fix/Auto/Outdoor Auto)
Features	Full Auto, Gain, Gain Limit, Shutter Priority, Iris Priority, Manual, Bright, Slow Shutter, Max/Min Shutter Limit, Slow AE
ND Filter	High Sensitivity, Defog mode, Backlight Compensation, HLC, Flipper, Mirror
WDR	YES
Noise Reduction	YES
S/N Ratio	On/Off (level 5 to 1 / Off, 6 steps), 2D/3D
Sync System	50db
Image Stabilizer	Internal
Mechanical	YES
Pan/Tilt Movement	-
Preset Position	16 zoom Positions (Preset Memory for image parameters)
Home Position	Support
Environmental	Indoor
Interface	
Video Output	1XRJ45-HDBaseT(4K), With HDBaseT video output transmission distance up to 100 meters
Video Format (HDMI)	1XHDMI Type A- HDMI1.4(4K), 1XBNC-3G-SDI(1080P)
Audio Input/Output	4K 2160p:29.97/25/23.98; 1080p:59.94/50/29.97/25/23.98; 1080i:59.94/50; 720p:59.94/50/29.97/25 (23.98 supported via FW upgrade)
Control Interface	2XMics built-in, 3.5mm Jack Line in & Line out
Control Protocol	2XRJ45-RS232/RS422/RS485 (Phoenix Connection adapter included), IR Remote Control Sensor
Tally Light	VISCA / Pelco P,D
OSD Navigator	Yes
ePTZ	Joystick on rear panel for Menu setting and Zooming and Focusing
HD-SDI Signal	YES, ePTZ feature available with FHD resolution format
SDI Standard	Supports SD-SDI, HD-SDI, 3G-SDI
Video Format (SDI)	1080p:59.94/50/29.97/25/23.98; 1080i:59.94/50; 720p:59.94/50
Audio over SDI	YES
General	
Operating Temperature	-10 to +50 (°C)
Operating Humidity	≤80% Suitable for Use
Power Input	Port type: YC8-4pin; DC12V(With power switch On/Off), POH(Power Over HDBaseT), POE (IEEE 802.3at)
Power Consumption	10W
Dimension	186x107x83 mm
Weight	1.5kg
HDBaseT Receiver	* Optional, Sold Separately
Model No.	BL-BR4K-1
Input	1XRJ45-HDBaseT
Output	1XHDMI Type A - HDMI 1.4b, 1XRJ45- IP Pass-Thru (100Mbps,extend connection only, not IP encoder)
Power Input	DC54V, 2.77A
Power Output	POH (Power Over HDBaseT)
Power Consumption	Up to 97W
Control Interface	2XRJ45-RS232/ RJ45-RS422/RS485, IR Control Sensor
IR IN Control Interface	3.5mm 3.5-5v TTL
Audio Output	3.5mm Jack
Dimension	164x118x33mm
Weight	0.52KG
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ORDER INFORMATION

- FBC-1-4K12S-SMB(SDI+HDMI+HDBaseT)
- BL-BR4K-1 (HDBaseT Receiver, Not included with the camera, Order separately)