● **VCC-8-4K20S-3SMB**

KEY FEATURES

- Resolution: 4K,1080P,720P
- Zoom: Optical 20X, Digital 12X. SRZ Feature:
  Up to 30X in 4K and 40X in FHD via Super Resolution Zoom
- 70 Degrees wide angle.
- Image Stabilizer
- Video Output: HDMI, HDBaseT,3G-SDI,CVBS
- Power: DC 12V, HDBaseT POH, POE (IEEE 802.3at)
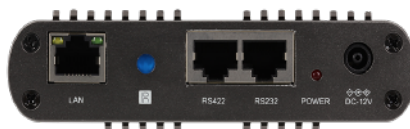- HDBaseT Receiver is needed for HDBaseT 4K
  video output.

DESIGN

• Extremely quiet and smooth Pan/Tilt movements for ideal for video conferencing filming studios, churches and lecture halls, and for applications requiring high zoom ratios and variable slow speed controls.

• Fixed Zoom block camera equipped with new 1/2.5-inch CMOS sensor for brilliant, Broadcast-quality, Ultra-High-Resolution image at 4K30, with Super-Resolution Zoom (SRZ) to allow for 30X zoom at 4K, or 40X zoom at FHD.

• Built-in HDBaseT adapter to provide long distance HDMI(4K) transmission up to 100 meters. HDBaseT solution delivers video, control, audio, IP, power, IR control over one cable.

FUNCTIONALITY

- Ideal for video-conferencing, house of worship, educational environment, corporate training,distance learning.
- Comprehensive image parameter setting for broadcast and Pro AV applications.
- 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, IP*, Audio, IR Control transmission up to 100 meters distance. Use IR controller to control the camera from remote side via HDBaseT receiver.
- Image parameter setting restore with presets and quick access operation
- Adaptive speed for slow movement for zoom-in application.
- Speed of Pan/Tilt and Presets (0-5 level) is adjustable.
- Standard mounting and ceiling mounting with E-Flip function

VCC-8-4K20S-3SMB

BL-BR4K-1 Back

BL-BR4K-1 Front

Product Specification

Model No	VCC-8-4K20S-3SMB
Camera	**20X 4K**
Image Sensor	1/2.5" CMOS 8.51MP
Lens	Optical Zoom 20X, Up to 30X in 4K and 40X in Full HD with SRZ(Super Resolution Zoom) feature
	4.4mm(Wide)-88.4mm(Tele)
Digital Zoom	12X
Horizontal Angle of View	70.2°(W)~4.1°(T)
Aperture	F2.0(W)~F3.8(T)
Min. Illumination	0.4lux (1/30s, 50%, High Sensitivity mode On), 1.6lux (1/30s, 50%, High Sensitivity mode Off), 0.06lux(1/4s(1/3s),50%, High Sensitivity mode On), 0.21lux(1/4s(1/3s),50%, High Sensitivity mode Off)
Shutter Speed	1/1~1/10000s (22 steps)
Focus	Auto Focus(Trigger/Interval), Manual Focus(Variable Speed), One Push Trigger, Near Limit,
White Balance	AUTO, ATW, Indoor, Outdoor, One Push WB, Manual WB, Outdoor Auto, Sodium Vapor Lamp（Fix/Auto/Outdoor Auto）
Exposure	Full Auto, Gain, Gain Limit, Shutter Priority, Iris Priority, Manual, Bright, Slow Shutter, Max/Min Shutter Limit, Slow AE
Features	High Sensitivity, Defog mode, Backlight Compensation, HLC, Flipper, Mirror
ND Filter	-
WDR	YES
Noise Reduction	On/Off (level 5 to 1 / Off, 6 steps), 2D/3D
S/N Ratio	50db
Sync System	Internal
Image Stabilizer	YES
Mechanical	
Pan Movement	Horizontal:±350 degrees continuous pan (Zoom Adaptive Speed Range: 0.05°～100°/S)
Tilt Movement	Vertical:+90 degrees to -30 degrees (Zoom Adaptive Speed Range: 0.05°～50°/S)
Preset Position	128 (Speed adjustable: Up to 150°/S, 6 presets on remote controller.)
Preset Speed	0~5 Level Adjustable
Preset Memory	YES, (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 1XHDMI Type A- HDMI1.4(4K), 1XBNC-3G-SDI(1080P), 1XCVBS.
Video Format (HDMI)	4K 2160p:29.97/25/23.98; 1080p:59.94/50/29.97/25; 1080i:59.94/50; 720p:59.94/50/23.98
Audio Input	Line-in 3.5mm Jack for HDBaseT Audio output, (Mic is not activated)
Control Interface	2XRJ45-RS232/RS422/RS485 (Phoenix Connection adapter included), IR Remote Control Sensor
Control Protocol	VISCA / Pelco P,D
HD-SDI Signal	
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
Standard	SMPTE 292(1.5Gb/s), SMPTE 425-A(3Gb/s) With SMPTE352 SDI Metadata Supported
General	
Operating Temperature	-10 to +50 (°C)
Operating Humidity	≤80% Suitable for Use
Power Input	DC12V, POH(Power Over HDBaseT), POE (IEEE802.3at)
Power Consumption	Min: 12W(Static state with no movement); Max: 16W (Fully loaded operation)
Dimension	260x144x182mm
Weight	2.4kg
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 Comsumption	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
*	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.

ORDER INFORMATION

- VCC-8-4K20S-3SMB (SDI+HDMI+CVBS+HDBaseT)
- VCC-CC45232 (RJ45 to RS232 8 Pin Mini Din Cable Adapter)
- VCC-WM (Wall Mount)   • VCC-CM (Ceiling Mount)

- BL-BR4K-1 (HDBaseT Receiver, sold separately)
- VCC-CC45RS (RJ45 to RS422/232 Cable Adapter)

All models and specifications are subject to change without notice.

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