

- VCC-7HD20S-3SMN
- VCC-7HD30S-3SMN

## KEY FEATURES



- Zoom: Optical 20X, 30X
- TRUE Dual Output: 3G-SDI(1080p, 1080i)+IP
- SDI/HDMI resolution up to 1080p60, 1080i59.94
- IP resolution up to 1080P60. Supports H.264/265
- IP, 3G-SDI, HDMI, CVBS Simultaneously
- Control: RS232, RS422/485, IP/Onvif/Visca over IP
- Power: 12VDC, PoE+

## DESIGN



- High quality broadcast standard SDI video and extremely quiet and smooth Pan/Tilt movements ideal for broadcast, video conferencing, filming studios, churches and lecture halls, and for applications requiring high zoom ratios and variable slow speed controls
- Dual Output PTZ camera provides simultaneous 3G-SDI and IP video outputs with no latency and remote IP video streaming.
- It is a TRUE Dual Output PTZ where SDI and IP formats can be set independently. You can combine SDI 1080i(up to 1080i59.94) or 1080P with IP 1080P(up to 1080p60).
- The camera provides multiple methods of controlling: RS232, RS422 and IP control ONVIF, Visca over IP and CGI. It gives you capabilities of local control and remote control without distance limitations.

## FUNCTIONALITY

- Ideal for video-conferencing, house of worship, broadcast, educational environment, corporate training, distance learning applications.
- Adaptive speed for slow movement when running zoom-in application. Speeds of Pan/Tilt and Presets (0-5 level) are adjustable.
- IP protocol RTSP,RTMP for online video streaming.
- Local storage Micro SD card up to 128GB supported.
- Control: RS232/RS422/RS485, IP/Onvif/Visca-over-IP/CGI, IP control software, IR Remote Controller.
- Image parameter setting restore with presets and quick access operation
- Independent PoE+(IEEE 802.3at) power ready and 12VDC
- Firmware upgrade via USB2.0 or IP
- Standard mounting and ceiling mounting with E-Flip function



RJ45-RS232  
VCC-CC45232



RJ45-RS422  
VCC-CC45422

VCC-7HD20S-3SMN  
VCC-7HD30S-3SMN

## ORDER INFORMATION

- VCC-7HD20S-3SMN • VCC-7HD30S-3SMN (SDI+HDMI+IP)
- VCC-CC45232 (RJ45 to RS232 Cable Adapter) • VCC-CC45422 (RJ45 to RS422 Cable Adapter)

# Product Specification

Model No.	VCC-7HD20S-3SMN	VCC-7HD30S-3SMN
<b>Camera</b>	<b>20X</b>	<b>30X</b>
Image Sensor	1/2.8 inch CMOS 2.13MP	1/2.8 inch CMOS 2.13MP
Lens	4.7~94mm	4.3~129mm
Digital Zoom	12X	12X
Horizontal Angle of View	59.5°(W)~3.3°(T)	63.7°(W)~2.3°(T)
Aperture	F1.6(W)~F3.5(T)	F1.6(W)~F4.7(T)
Min. Illumination	Color: 0.01 lux (F1.6,AGC on, 1/30s, High sensitive mode), 0.1 lux(F1.6,AGC on, 1/30s, Normal sensitive mode)	Color: 0.01 lux (F1.6,AGC on, 1/30s, High sensitive mode), 0.1 lux(F1.6,AGC on, 1/30s, Normal sensitive mode)
Shutter Speed	1/1~1/10000s	1/1~1/10000s
Focus	Auto, Push	
White Balance	Auto,Indoor,Outdoor,Manual,OPW,ATW	
Exposure	Auto,Manual,Shutter/Iris Priority	
Day/Night	YES	
Backlight Compensation	YES	
WDR	YES(130dB)	
Defog	YES	
Motion Detection	YES	
Privacy Zone Masking	-	
E-FLIP	YES	
Image Stabilizer	-	
Noise Reduction	2D/3D	
S/N Ratio	≥50db	
<b>Mechanical</b>		
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	
Home Position	Support	
Environmental	Indoor	
<b>Interface</b>		
Video Output Simultaneous	SDI, HDMI, CVBS, IP	
Video Format(HDMI)	1080p:60/59.94/50/29.97/30/25; 1080i:60/59.94/50; 720p:60/59.94/50/30/25	
Video Format(CVBS)	720*576i50, 720*480i60	
Audio I/O	Audio input x1, Audio output x1, 3.5mm audio jack (IP Models)	
Control Interface	1XRJ45: IP; 2XRJ45: RS232/RS422/RS485, IR Remote Controller	
Control Protocol	VISCA / Pelco D / IP Onvif 2.4 Profile S/ VISCA over IP / CGI	
Edge Storage	Micro SD, Up to 128GB	
System Upgrade	USB2.0 (for FW upgrade only), System upgrade via IP	
<b>3G-SDI Signal</b>		
3G-SDI	Signal Fluctuations 800mv +/-10% (external cable extension requirements 75-5, 128 twisted pair shielding , coaxial cable)	
Standard	SMPTE 292(1.5Gb/s), SMPTE 425-A(3Gb/s) With SMPTE352 SDI Metadata Supported	
Signal Format	1080p:60/59.94/50/29.97/30/25; 1080i:60/59.94/50; 720p:60/59.94/50/30/29.97/25	
<b>Network</b>		
Video Compression	MJPEG,H.264/H.265	
IP Video Format	1080p:60/50/30/25; 720p:60/50/30/25 (True Dual Output : IP format can be set independently of SDI video format)	
Protocols	L2TP,IPv4,IGMP,ICMP,ARP,TCP,UDP,DHCP,PPPoE,RTP,RTSP,QoS,DNS,DDNS,NTP,FTP,UPnP,HTTP,SNMP,SIP,RTMP,SMTP,NAT,SSL,HTTPS	
Multi-stream	3 data stream function will satisfy various bandwidth, frame rates and storage requirements in real time	
Audio Compression	AAC-LC Broadband Audio Encoding(Duplex Communicate Supported,Audio/Video synchronization)	
Special Function	UNP Technique, resolve Private Network NAT throughput, support movement testing, audio testing, various intelligent functions.	
OSD	Customized OSD, Support custom LOGO insert(Optional)	
Compatible Integration	ONVIF 2.4 (Profile S supported)	
<b>General</b>		
Operating Temperature	-10 to +50 (°C)	
Operating Humidity	≤80% Suitable for Use	
Power Input	12VDC, PoE+ (IEEE 802.3at)	
Power Consumption	10.8W	
Dimension	160x178x220mm	
Weight	2.0kg	