

# HD Color Network Box Camera

## VHD-V800I



### Main Features

- All-in-One Design**  
 All-in-One design, can output 3 channels (IP,HDMI,SDI) HD 1080p video at the same time
- Intelligent Teaching Tracking**  
 Built-in leading image recognition and tracking algorithm can achieve smooth and natural tracking effect without any auxiliary positioning camera or tracking host. Different cameras are assembled before production, so as to achieve teacher tracking or student tracking
- Changeable Lens**  
 Panorama camera lens, compatible with M12 mount lens, can be replaced. It is easy to use for Classrooms of different sizes
- Adjustable Viewing Angle**  
 Panorama camera can adjust viewing angle in vertical (-15° ~ 0°)
- Same Image Style**  
 Both panorama camera and close-up camera use the same ISP, make sure the image output have the same brightness, color, style, etc.
- Easy Configuration**  
 Easy to make a configuration for tracking parameters by connecting to Ethernet directly
- 72.5° wide-angle high quality TAMRON lens**  
 support 12x optical zoom, and 16x digital zoom (optional)
- 1080P Full HD**  
 Apply **Panasonic's** high quality HD CMOS sensors of 1/2.8 inch, 2.07 million effective pixels, so as to reach maximum 1920 x 1080 resolution and achieve quality image
- Ultra-high Frame Rate**  
 The output frame rate is up to 60fps in 1080p
- Remote Control**  
 Using RS232/485 interface, all the parameters of the camera can be remote controlled by the high-speed communications

### Camera

Video System	1080P/60, 1080P/50, 1080I/60, 1080I/50, 1080P/30, 1080P/25, 720P/60, 720P/50
Sensor	PANASONIC 1/2.7", CMOS, EFFECTIVE PIXEL: 2.07M
Scanning Mode	Progressive
Close-up lens	12X, F3.5mm~42.3mm, f1.8~f2.8 (OPT. 20X f4,42 mm~88,5 mm, f1,8~f2,8 mm)
Digital Zoom	16x
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	auto, indoor, outdoor, one push, manual, specified color temperature
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal angle of view	72.5° ~ 6.9°
Vertical angle of view	44.8° ~ 3.9°
Horizontal rotation range	±170°
Vertical rotation range	-30° ~ +90°
Pan speed range	1.7° ~ 100°/S
Tilt speed range	1.7° ~ 69.9°/S
H & V FLIP	Yes
Image freeze	Yes
Local storage	Yes
Number of preset	255
Preset accuracy	0.1°
Panorama lens	f=3.24mm, f1.8, AoV 85° (option: 60° or 120°)
Sensor	1/2.7"; CMOS, Effective Pixel: 2.07M

### Input/Output Interface

HD output	1XHDMI: VERSION 1.3; 1X3G-SDI: BNC TYPE, 800MVP-P, 75Ω, ALONG TO SMPTE 424M STANDARD
Network interface	1XRJ45: 10M/100M/1000M ETHERNET INTERFACE
Audio interface	1-ch: 3.5mm audio interface, line in
Communication interface	1XRS232 IN: 8PIN MIN DIN, MAX DISTANCE: 30m, VISCA/PELCO-D/PELCO-P PROTOCOL; 2XRS232 OUT: 8PIN MIN DIN, MAX DISTANCE: 30m, VISCA PROTOCOL
Power jack	jeita type (DC in 12V)

### IPC Features

Video Compression	H.264/MJPEG
Video Stream	first stream, second stream, third stream, fourth stream
First stream resolution	1920X1080,1280X720,1024X576, 960X540, 640X480, 640X360
Second stream resolution	1920X1080,1280X720,1024X576, 720X576,720X480,640X360, 480X270,320X240,320X180
Third stream resolution	1280X720,1024X576,720X576, 720X480,640X360,480X270,320X240,320X180
Fourth stream resolution	1280X720,1024X576,720X576, 720X480,640X360,480X270,320X240,320X180
Video bit rate	32~20480 kbps
Bit rate type	variable rate, fixed rate
Frame rate	50Hz: 1fps ~ 50fps 60Hz: 1fps ~ 60fps
Audio compression	AAC
Audio bit rate	96kbps, 128kbps, 256kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, ONVIF, DHCP, MULTICAST, etc.

### Generic Specification

Input Voltage	DC 12V
Current Consumption	1.5A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	12W (Max)
Size	200mm X 150mm X 165mm
Net Weight	2.16Kg

