

# IT-VCHD1600JSE



## Main Features

### ● H.265 Support

Support H.265 encoding, enabling full HD 1080p/60fps video stream by ultra-low bandwidth, lag-time within 200ms.

### ● 1080P Full HD

Apply Panasonic's 1/2.7 inch, 2.07 million effective pixels high quality HD CMOS sensor, can reach maximum 1920 x 1080 high resolution and achieve quality image.

### ● Double Interface

Support 3G-SDI interface, effective transmission distance up to 150 meters (under 1080p30). SDI, Network can output at the same time.

### ● Ultra-high Frame Rate

The output frame rate up to 60fps in 1080P, up to 120fps output in 720P (supported by network only), 640x480P can be as high as 240fps (supported by network only, optional).

### ● AAC Audio Encoding

Support AAC audio encoding, better sound quality and smaller bandwidth.

### ● Low-light

High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise, even under low illumination conditions, picture can still keep clean and clear.

### ● PoE

Support PoE (802.3af), effectively reduce the cost of engineering and routing.

### ● ICR Infrared Filter

ICR filter with auto switch, keep watch over day and night.

### ● SDK

Support SDK, easy to implement the custom requirement.

## IPC Features

Video Compression	H.265/H.264/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576
Sub Stream Resolution	720x576, 720x480, 320x240
Video Bit Rate	128Kbps ~ 8192Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps, 720p120: 120fps, 640x480p240: 240fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

## Camera

Video System	1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/120 (supported by network only), 720p/60, 720p/50, 720p/30, 720p/25, 640x480p/240 (supported by network only, optional)
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens Mount	C/CS Mount
Auto Iris	DC Driver
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Day-night Mode	IR cut filter with auto switch
Digital Noise Reduction	2D,3D digital noise reduction
Backlight Compensation	
Image Freeze	Support
PoE	
Ceiling Installation	

## Input/Output Interface

HD Output	1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
Network Interface	1xRJ45:10M/100M adaptive Ethernet ports
Audio Interface	1-ch: 3.5mm Audio Interface, Line In
Power Connector	JEITA (DC IN 12V)
Reset Button	Support

## General Specification

Input Voltage	DC 12V / PoE (802.3af)
Current Consumption	0.5A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	6W (Max)
Size	127.5mm x 72.0mm x 60.0mm
Net Weight	375g (0.8lb)
MTBF	30000h