

## VS-WC202B-HDSDI

## Full HD Mega-pixel Rugged IR PTZ Camera



- 1/3" 2M Pixel CMOS image sensor that supports FULL HD (1920 x 1080)
- Progressive scan and Auto WDR
- 20x optical zoom and F1.6 aperture (optical zoom + digital zoom = 240x)
- Good at low-light environments using the Noise Reduction function
- Video signals can be output as digital and analog composite outputs
- A variety of digital output formats
- Auto ICR
- 12pcs of 18ø IR LED (120m manual focusing)
- DC12V version for vehicle application:
  - The power ground and video ground in DC12V version is unified in common so that the power can be input from vehicle
- IP66 Outdoor Application
- Endless Pan rotation (TOP 15°~270°, BOTTOM 345°~90° tilt angle)
- Up to 63 programmable presets
- Less than 0.3° Preset Accuracy
- 8 programmable Tour, 2 Pattern
- Alarm - Move the camera to programmed Preset position with Alarm trigger. (Max. 2)
- 4 Scan (Programmable speed and diagonal scan)
- Programmable Privacy Masking (2 Zones)
- RS-422, RS-485 communication
- Multiple protocol (WTX, PELCO-D V1, PELCO-P, PELCO-D V5)
- Built-in Menu System for Setup of Programmable Functions
- Mechanical Auto Flip

**Supports  
1080i/720p  
60/59.94  
standards for  
Broadcast**



V-PS12-5V  
Power Supply included



### IR Light Function

Its built-in 12pcs of 18ø IR Lens provide visible distance of up to 120m in the dark (manual focusing).



- 20x Optical Zoom
- 1080p 30 fps
- 1080i 60 / 59.94 fps
- HD-SDI (SMPTE 292M)



### Auto WDR Function

The Camera delivers clear, high quality pictures even when the subject is backlit. By increasing exposure in dark areas while simultaneously decreasing it in bright areas will result in a corrected image with clear details.



## Auto ICR

These cameras offer optimal sensitivity in both day and night shooting applications. At a preset level of darkness, the IR-cut filter is automatically disabled (ICR ON) and the near-infrared sensitivity is increased. At a preset level of brightness, the filter is automatically enabled (ICR OFF). The IR-cut filter automatically engages depending on the ambient light, allowing the camera 24/7 operation in a variety of lighting conditions.

## VS-WC202B-HDSI Specifications

<b>MECHANICAL</b>		Light distance	120m (manual focusing)
Pan	360° Endless Pan	<b>VIDEO</b>	
	0.1° to 100°/sec.	Video Out	HD-SDI - 1 channel (1080i60, 1080p30, 720p60, 1080i50, 1080p25, 720p50 )
Pan Preset Speed	110°/sec, 0.3° Accuracy		CVBS -1 channel, IP Webserver (Optional)
Tilt	TOP 15°~270° , BOTTOM 345°~90° tilt angle, Proportional to zoom	<b>CERTIFICATION</b>	CE, FCC CLASS A, RoHS
Tilt Preset Speed	60°/sec, 0.3° Accuracy	<b>CAMERA</b>	
Weight	2.7kg	Imager	1/3" 2M Pixel CMOS Sensor
Dimensions	138(Ø) x 212(H) mm	Picture elements	1920 x 1080 pixels
<b>ENVIRONMENTAL</b>		Lens	20x zoom F= 4.7 mm (WIDE) to 94.0 mm (TELE), F1.6 to F3.5
Construction	Aluminum	Digital zoom	12x (240x with optical zoom)
Ingress Protection	IP66	Angle of view (H)	Approx. 55.4 degrees (WIDE end), approx. 2.9 degrees (TELE end) (1080i mode)
Color	Black		Approx. 37.6 degrees (WIDE end), approx. 2.0 degrees (TELE end) (720p mode)
Operating Temp	-20°C to 50°C (Fan & Heater power ON)		
Humidity	0% to 90%	Min. working distance	10 mm (WIDE end), 800 mm (TELE end)
<b>FUNCTIONS</b>		Sync system	Internal
Preset	63 points	Min. illumination	0.5 lux/1/30 sec., 50% (Interlace mode) (High Sensitivity mode ON)
Tour	8 programmable		1.7 lux/1/30 sec., 50% (Typical value) 0.26 lux/1/4 sec (NTSC)
Pattern	2 patterns		1/3 sec (PAL) (Typical value)
Flip	Mechanical / Auto / Off (Rotate 90° at bottom of tilt)		ICR-ON Mode 0.0005 lux/1/4 sec (NTSC), 1/3 sec (PAL)
Auto Scan	4 (programmable speed and diagonal scan)	Recommended illumination	100 to 100,000 lux
Privacy Zone	2 blocks with title (Masking / Video off)	S/N ratio	50 dB (Weight ON)
Address	Up to 255 selectable ID (Rotary switch)	Back light compensation	ON/OFF
Data Communication	RS-485 / RS-422	Electronic shutter speed	60/30 mode: 1/1 to 1/10000 sec.(22 steps) / 50/25 mode: 1/1 to 1/10000 sec. (22 steps)
Protocol	Multiple protocol (WTX, PELCO-D V1, PELCO-P, PELCO-D V5)	White balance	AUTO, ATW, Indoor, Outdoor, One Push WB, Manual WB, Outdoor Auto, Sodium Vapor
Baud rate	2400, 4800, 9600, 19200, 38400, 57600, 115200 bps	Gain	Auto/Manual (-3 dB to +28 dB, 16 steps)
Alarm In	2 alarm (NO/NC, Priority)	Wide dynamic range	ON/OFF/AUTO
Alarm Out	2 relay out (Hold, Latch)	Noise reduction	ON/OFF (level 5 to 1 / OFF, 6 steps)
Display	Zone title on/off (start/end zone)	Color Enhancement	ON/OFF
<b>ELECTRICAL</b>		Aperture control	16 steps
Power	DC 12V, 40W, 3.3A	Preset	6 positions
	(Power adaptor not included) IR: 1.9A (23W) (Fan & Heater ON)		
Light	12pcs of 18Ø IR LED		

## Accessories



**VS-TKC-100**  
PTZ Keyboard Controller