

## DC-D223WHX

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized Vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC, Smart Failover
- Two-way audio
- Alarm In / out
- Vandal proof / IP66 supports
- Built-in heater
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night (ICR)
- True wide dynamic range (WDR)
- Digital image stabilization (DIS)
- IR LED (Distance : 20m)
- 3-axis mechanical design for installation
- Supports ONVIF

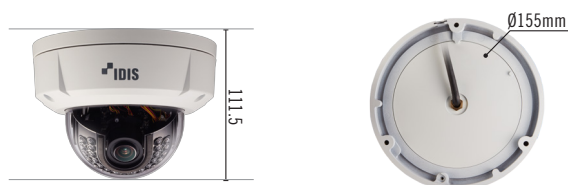


### SPECIFICATIONS

VIDEO		
Image Sensor	1/2.8" CMOS	
Max. Resolution	1920 x 1080	
Scanning Mode	Progressive Scan	
Lens Type	Motorized Vari-focal	
Focal Length	f=3.3 - 10mm	
Aperture	F=1.3 - 2.5	
Iris Control	DC Auto Iris	
Angular Field of View	Wide : 99.8° (H), 52.2° (V), 118.2° (D) Tele : 33.5° (H), 18.6° (V), 38.3° (D)	
Pan / Tilt Range	Pan : -176° ~ 176°, Tilt : 0° ~ 66°, Rotate : -90° ~ 90°	
Min. Illumination	Color : 0.007 Lux @ F1.3 B/W : 0 Lux (IR LED On)	
Dynamic Range	120dB (True WDR)	
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10000), Anti-Flicker, Slow Shutter ( 1 ~ 1/5, 1/7.5, 1/15)	
Day and Night	IR Cut Filter with Auto Switch	
IR Distance (LEDs)	20 m / 65.6 ft (28 ea)	
Image Setting	Configurable Exposure, White Balance, Sharpness	
Digital Noise Reduction	Configurable 2DNR / 3DNR	
Backlight Compensation	-	
Image Stabilizer	Yes (DIS)	
De-fog	-	
Privacy Masking	16 Zones	
Intelligent Video	Video Motion Detection, Face Detection, Active Tampering Alarm	
Video Out	1 BNC (Accessory)	
NETWORK		
	<b>DirectIP Mode</b>	<b>Compatibility Mode</b>
Video Compression	H.264 (MP), M-JPEG	
Intelligent Codec	-	
Bitrate Control	H.264 - VBR	
Audio Compression	G.726, G.711	
Two-way Audio	Yes	
IP Camera Protocol	DirectIP	IDIS ONVIF Profile S
Max. Frame Rate	30ips : 1920 x 1080 (WDR)	60ips : 1920 x 1080 30ips : 1920 x 1080 (WDR)
Supported Resolution	1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240	1920 x 1080, 1280 x 720, 704 x 480, 352 x 240
Multi-video Streaming	Quadruple Streaming	Quadruple Streaming
Network Protocols	DirectIP Protocol	RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP
Security	SSL Encryption	Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption
Remote Access Client	DirectIP NVR Connection	IDIS Web, IDIS Mobile, IDIS Solution Suite
Ethernet	RJ45 (10/100/1000 BASE-T)	
Recording Session Buffer	Yes (Up to 60MB)	
Edge Storage	micro SD / SDHC, Smart Failover	
ALARM AND EVENT		
Trigger Event	Motion Detection, Face Detection, Alarm In, Tampering, Audio Detection	
Event Notification	Remote S/W, Email (With Image)	
Audio In / Out	Line-in 1ea / Line-out 1ea	
Alarm In / Out	Input 1ea / Output 1ea	
ENVIRONMENTAL		
Vandal Proof Casing	IK10	
Outdoor Ready	IP66, Heater	
Operating Temperature	-40°C ~ +50°C (-40°F ~ +122°F) *Starting Up at Above -20°C (-4°F)	
Operating Humidity	0% ~ 90%	
ELECTRICAL		
Power Source	12VDC, PoE (IEEE 802.3af Class 3)	
Power Consumption	7.2W (Heater Off), 19.2W (Heater On / DC 12V Only)	
Approvals	FCC, CE, KC	
MECHANICAL		
Dimensions	Ø155mm x 111.5mm (Ø6.11" x 4.39")	
Weight	0.9kg (1.98lb)	

### DIMENSIONS

(Unit - mm)



### ACCESSORIES (OPTIONAL)



### ACCESSORIES CONFIGURATION TREE

