



# DHIPPTZ20-12X-F

2 Megapixel 1080P PTZ Dome Camera  
12x Optical Zoom



### Key Features:

- Powerful 12x optical zoom
- Support dual-streams encoding
- Max. 25fps@1080P(1920 X1080) or 50fps@720P resolution
- WDR, Day/Night (ICR), DNR (2D&3D), Auto iris, Auto focus, AWB, AGC, BLC
- Max 300°/s pan speed, 360° continuous pan rotation
- Up to 300 presets, 5 auto scan, 8 tour, 5 pattern
- 2 alarm in & 1 alarm out
- Support intelligent 3D positioning on SPRO HDCVI DVRs and NVRs
- AC24V 1.5A/POE+



## SPECIFICATIONS

<b>Model Number</b>	DHIPPTZ20-12X-F
<b>Image Sensor</b>	1/2.8" STARVIS CMOS
<b>Effective Pixels</b>	1920(H) x 1080(V), 2Megapixels
<b>RAM/ROM</b>	1024M/128M
<b>Scanning System</b>	Progressive
<b>Electronic Shutter Speed</b>	1/1 ~ 1/30,000s
<b>Min. Illumination</b>	Color: 0.05Lux@F1.6; B/W: 0.005Lux@F1.6
<b>S/N Ratio</b>	More than 50dB
<b>Resolution</b>	1080P@25fps
<b>Video Output</b>	1XRJ45

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**Lens**

<b>Focal Length</b>	5.3mm~64mm
<b>Max Aperture</b>	F1.6~ F4.4
<b>Angle of View</b>	H: 58.2° ~ 4.8°
<b>Optical Zoom</b>	12x
<b>Focus Control</b>	Auto / Manual
<b>Close Focus Distance</b>	100mm~ 1000mm

**PTZ**

<b>Pan/Tilt Range</b>	Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°,auto flip 180°
<b>Manual Control Speed</b>	Pan: 0.1° ~300° /s; Tilt: 0.1° ~120° /s
<b>Preset Speed</b>	Pan: 300° /s; Tilt: 200° /s
<b>Preset</b>	300
<b>PTZ Mode</b>	5 Pattern, 8 Tour, Auto Pan, Auto Scan
<b>Speed Setup</b>	Human-oriented focal length/ speed adaptation
<b>Power up Action</b>	Auto restore to previous PTZ and lens status after power failure
<b>Idle Motion</b>	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period
<b>Protocol</b>	DH-SD

**Intelligence**

<b>Event Trigger</b>	Motion detection, Video tampering, Network disconnection, IP address conflict, Illegal access, Storage anomaly
<b>IVS</b>	Tripwire, Intrusion,Abandoned/Missing
<b>Advanced Intelligent Functions</b>	Face Detection

**Video**

<b>Compression</b>	H.265+/H.265/H.264+/H.264	
<b>Streaming Capability</b>	3 Streams	
<b>Resolution</b>	1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480)/ CIF(352×288/352×240)	
<b>Frame Rate</b>	Main Stream	1080P/720P(1 ~ 25fps)
	Sub Stream	D1/CIF(1 ~ 25fps)
<b>Bit Rate Control</b>	CBR/VBR	
<b>Bit Rate</b>	H.265/H.264: 448K ~ 8192Kbps	

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<b>Day/Night</b>	Auto(ICR) / Color / B/W
<b>Backlight Compensation</b>	BLC / HLC / WDR(120dB)
<b>White Balance</b>	Auto, ATW, Indoor, Outdoor, Manual
<b>Gain Control</b>	Auto / Manual
<b>Noise Reduction</b>	Ultra DNR (2D/3D)
<b>Motion Detection</b>	Support
<b>Region of Interest</b>	Support
<b>Defog</b>	Support
<b>Digital Zoom</b>	16x
<b>Flip</b>	180°
<b>Privacy Masking</b>	Up to 24 areas
<b>Audio</b>	
<b>Compression</b>	G.711a/G.711Mu/G.726/AAC
<b>Network</b>	
<b>Ethernet</b>	RJ-45 (10XBase-T/100Base-TX)
<b>Protocol</b>	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS, Bonjour,802.1x
<b>Compatibility</b>	ONVIF 2.4
<b>Streaming Method</b>	Unicast / Multicast
<b>Max. User Access</b>	20 users
<b>Smart Phone</b>	iPhone, iPad & Android
<b>Interface</b>	
<b>Audio I/O</b>	1/1
<b>Alarm I/O</b>	2/1
<b>General</b>	
<b>Power Supply</b>	AC24V/1.5A(±10%), POE+(802.3at)
<b>Power Consumption</b>	10W
<b>Working Environment</b>	-30°C ~ 60°C / Less than 90% RH
<b>Ingress Protection</b>	N/A
<b>Vandal Resistance</b>	N/A
<b>Dimensions</b>	Φ198(mm) x 158(mm)
<b>Weight</b>	3.3Kg

