



**2.1 MP HD Network  
IR Network Camera**

**MPIX-21DF-IRK28**



### Features:

- ❖ 1/2.8" 2.1 Megapixel progressive scan CMOS
- ❖ 50/60fps@2.1M(1920×1080)
- ❖ H.265 & H.264 triple-stream encoding
- ❖ WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- ❖ LENS: 2.8mm fixed lens
- ❖ Max. IR LEDs length 20m/65feet
- ❖ Smart detection support
- ❖ IP67, IK10, PoE
- ❖ Multiple network monitoring:  
Built-in web server & Multifunction VMS
- ❖ Smart phones compatible
- ❖ Support Multicast



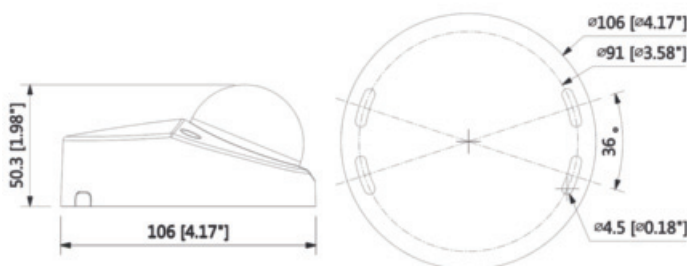
**FREE Multisite VMS software**  
Download from [www.watchnetinc.com](http://www.watchnetinc.com)

Optional Brackets:



BRACK-BB-43 BRACK-PM-06

WatchNET Cloud



iPhone



Model	MPIX-21DF-IRK28
<b>Camera</b>	
Image Sensor	1/2.8" 2.1 Megapixel progressive scan CMOS
Effective Pixels	1920(H) x 1080(V)
Mini. Illumination	0.009Lux/F2.0( Color,1/3s,30IRE)/ 0.07Lux/2.0( Color,1/30s,30IRE)/0Lux/F2.0(IR on)
RAM / ROM	256MB / 32MB
S/N Ratio	More than 50dB
Scanning System	Progressive
IR Distance	Up to 20m (65ft)
IR On/Off Control	Auto / Manual
IR LEDs	10
<b>Lens</b>	
Lens Type	Fixed
Mount Type	Board-in
Focal Length	2.8mm fixed
Max. Aperture	F2.0
Angle of View	H: 110° (87°, 51°), V:58° (48°, 30°)
Optical Zoom	N/A
Focus Control	Fixed
Close Focus Distance	N/A
<b>Video</b>	
Compression	H.265+/H.265/H.264+/H.264
Streaming Capability	3 Streams
Bit Rate Control	CBR / VBR
Resolution	1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/D1(704x576/704x480)/ VGA(640x480)/CIF(352x288/352x240)
Bit Rate	H.264: 24~9472Kbps / H.265: 14~5632Kbps
Frame Rate	<b>Main Stream:</b> 1080p(1 ~ 50/60fps) <b>Sub Stream:</b> D1 (1 ~ 50/60fps) <b>Third Stream:</b> 1080p(1 ~ 25/30fps)
Day / Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR(120dB) / SSA
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization(EIS)	N/A
Smart IR	Support
Defog	N/A
Digital Zoom	16x
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

<b>Audio</b>	
Compression	G.711a/G.711Mu/AAC/ G.726
<b>Network</b>	
Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP; HTTPS;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP; DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP; Bonjour;802.1x;Multicast;ICMP;IGMP;SNMP
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users / 20 Users
Edge Storage	NAS (Network Attached Storage), Local PC for instant recording
Web Viewer	IE, Chrome, Firefox, Safari
Smart Phone	IOS, Android
<b>Certifications</b>	
Certifications	ONVIF, PSIA, CGI
<b>Interface</b>	
Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A
<b>Electrical</b>	
Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	<4.5W
<b>Environmental</b>	
Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	IK10
<b>Intelligence</b>	
IVS Functions	Optional
Advanced Intelligent Functions	Optional
<b>Construction</b>	
Casing	Metal
Dimensions	Φ106mm × 50.3mm (4.17" × 1.98")
Net Weight	0.4kg (0.88lb)
Gross Weight	0.44kg (0.97lb)

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Rev April 23, 2019  
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