

# D21F

## 1MP with D/N, Fixed Lens



- 1 Megapixel
- Day & Night
- Fixed Lens with f4.2mm/F1.8
- Event trigger, response and notification

## ► Specifications

### Device

Product Type	Box
Maximum Resolution	1MP
Application Environment	Indoor/Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/4 "
Effective Pixels	1280(H) X 800(V) (1.02 MP)
Day / Night	Yes
Low Light Sensitivity	Standard
Minimum Illumination	Color: 0.1 lux at F1.8 (30 IRE , 2400 K); B/W: 0.05 lux at F1.8 (30 IRE, 2400 K)
Color to B/W Switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1100nm
IR LED	No
Electronic Shutter	1/5-1/2000 second (manual mode); 1/5-1/10000 second (auto mode)
Horizontal Resolution (TV Lines)	700 TVL
S/N Ratio	52 dB

## Lens

Focal Length	Fixed focal, f4.2mm
Aperture	F1.8
Iris	Fixed iris
Focus	Manual focus
Lens Mount	CS Mount (interchangeable lens)
Horizontal Viewing Angle	53.8°
Vertical Viewing Angle	29.1°

## Video

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 640 x 480 15 fps at 320 x 240
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28Kbps - 6Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic gain control, Flickerless
Digital Noise Reduction	DNR
Privacy Mask	4 configurable regions
Text Overlay	Yes
On-Screen Graphics	Yes
Server-based Analytics	Object Line Counting, People Counting, Face Detection, Object Based Motion Detection, Tamper, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Smoke Detection, Heat Map, Dwell Time, People Queue Detection

## Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, Bonjour, UPnP, QoS, SNMP, IEEE 802.1X
Ethernet Port	1 x RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control

## Event

Event Trigger	Video motion detection (3 regions),
Event Response	Notify control center, Change camera settings, Command other devices, E-mail notification with snapshots, Push notification to mobile device, Upload video or snapshot to FTP server, Upload video to NVR server

## Integration

Unified Solution	Fully compatible with ACTi software
Software Development Kit	Yes
GPS Position	Manual setting
ONVIF Compliant	Yes, Profile S, Profile T* (To be available through future firmware upgrade), Profile Q
GB28181 Compliant	Yes
Web Browser	IE 11 or newer, Firefox with VLC, Chrome with VLC, Safari with QuickTime

Auto Firmware Upgrade	Yes
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**Interface**







Auto Iris Connector	External connector for DC iris lens
Local Storage	No

**General**

Power Source	PoE Class 2 (IEEE802.3af)
Power Consumption	2.436 W (PoE)
Weight	429g (0.946lb)
Dimensions	(W x H x D): 67.05mm x 65.02mm x 145.13mm (2.6" x 2.6" x 5.7")
Environmental Casing	Optional housing (IP66)
Mount Type	Bracket, Pole Mount, Corner Mount
Starting Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Operating Humidity	10% - 85% RH
Approvals	CE, FCC, UL (for optional PoE injector)
Warranty	2 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>



**▶ Related Products**

**Mounting Accessories - Camera Mount**

PMAX-0402	 Corner Mount
PMAX-0503	 Pole Mount (for PMAX-0102, PMAX-0312, PMAX-0313, PMAX-0314, PMAX-0702, PMAX-1106, PMAX-1107), supports 5.25" to 8.5" Poles
PMAX-0508	 Pole Mount (for PMAX-0203, PMAX-0204, PMAX-0205, PMAX-0206, PMAX-0704), supports 3" to 9" Poles
PMAX-0704	 Junction Box (for A4x, B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMAX-0203~PMAX-0205)
PMAX-1100	 Bracket for Indoor Box Cameras
PMAX-1106	 Bracket for Outdoor Box Cameras (KCM-5211E, KCM-5511, KCM-5611, Box Cameras with Outdoor Housing)




**Note:** Some mounting accessories may need additional accessories for installation. Please check [www.acti.com/mountingselector](http://www.acti.com/mountingselector) for more information.

**Enclosures - Box Camera Housing**






PMAX-0200	 Outdoor Housing with Heater and Fan (110V)
PMAX-0201	 Outdoor Housing with Heater and Fan (220V)

PMAX-0202		Outdoor Housing
PMAX-0203		Heavy Duty Outdoor Housing with Heater and Fan (230V) and Bracket
PMAX-0204		Heavy Duty Outdoor Housing with Heater and Fan (110V) and Bracket
PMAX-0205		Heavy Duty Outdoor Housing with Bracket
PMAX-0206		PoE Heavy Duty Outdoor Housing with Heater, Fan, Defogger and Bracket


**Lenses - Fixed Lens**

PLEN-0101		Fixed Focal f4.2mm, Fixed Iris F1.8, Manual Focus, D/N, Megapixel, CS Mount Lens
PLEN-0119		Fixed Focal f2.8mm, Fixed Iris F2.0, Manual Focus, D/N, Megapixel, CS Mount Lens
PLEN-0130		Fixed Focal f2.93mm, Fixed Iris F2.0, Manual Focus, D/N, Megapixel, CS Mount Lens


**Network & Storage Peripherals - Data Switch**

PPSW-0100		PLANET FGSD-910HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-0101		PLANET GS-4210-8P2T2S 8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)
PPSW-0102		PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-1101		PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)
PPSW-2101		4-Port 802.3at PoE Switch (PoE Budget 62W)


**Extenders - PoE Extender**

PPEX-0100		Veracity OUTREACH Max Power over Ethernet (PoE) Extender
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**Extenders - PoE over Coaxial Extender Kit**

PPOC-0100		Planet LRP-101C-KIT Power over Coax Adapter Kit
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**Other Accessories - Accessory Part**

R707-10000		Mounting Block (for D2x, E2x, B2x, I2x)
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**Product Demo - Camera Demo Kit**

PCDK-0001		Camera Demo Kit Rack Box (350 x 550 x 140 mm) for all cameras except Mini Domes
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## Installation Support - Camera Installation Kit

PMON-1001-010



Camera Installation Kit for use with iOS Device with belt bag, battery and charger (US, AC 110~240V)

PMON-1001-011



Camera Installation Kit for use with iOS Device with belt bag, battery and charger (Europe, AC 110~240V)

PMON-2000



Camera Installation Kit