



UFD301

1-Megapixel Mini Dome Camera

1/4" Lumii sensor, H.264, triple streaming, WDR, digital day/night, PoE, IP67, IK10

The UFD301 is a megapixel mini dome camera designed for low profile installations. Measuring only 11cm in diameter and less than 5cm high, the compact form factor allows the camera to easily adapt to the surroundings, meeting special requirements for discreet surveillance in an unobtrusive manner. The lens is built on a unique spherical stand featuring full-ranged, 3-dimensional pan/tilt maneuvering capability, which enables installers to adjust the camera angle freely for achieving wide coverage when mounting on walls or ceilings. Designed to resist water and dust, the sturdily-built UFD301 can also be deployed in outdoor environments.



Compact Design Ideal for Discreet Surveillance

The sleek, compact-designed housing allows the camera to be easily installed and blend in the environment for unobtrusive monitoring, which is perfectly suited where discreet, covert surveillance is required.



3-dimensional Lens Adjustment

The megapixel lens is built on a unique spherical stand featuring full-ranged, 3-dimensional pan/tilt maneuvering capability, which enables the installers to adjust the camera angle freely when mounting on walls or ceilings.



Ultra Wide Dynamic Range

Compared with standard WDR, the new-generation WDR features sophisticated algorithm to further expand its dynamic range of the lighting conditions. It allows the camera capturing greater scene details in high contrast settings or in scenes with extremely bright and dark areas.



Triple Streaming with Multiple Video Profiles

The camera supports H.264 and MJPEG streams and allows triple streaming simultaneously. Video Streams can be further managed in profiles, enabling flexibility for users to designate bandwidth storage, and other video properties as appropriate.

Specifications

Video	
Sensor Type	1/4" progressive scan CMOS sensor
Active Pixels	1280 x 800 (HxV)
Compression	H.264 / MJPEG
Streaming	Triple simultaneous streams with multiple video profile
Resolution	720P, SVGA(800x 600), VGA(640x480), 640x360, QVGA(320x240), 320x180
Max. Frame Rate	HDTV 720p (1280x720) at 30 fps (NTSC) and 25 fps (PAL)
Day/Night	Digital D/N Control
Day/Night Mode	Auto/ BW/ Color
Shutter Time	1/10,000s to 1/7.5s Selectable (60Hz); 1/10,000s to 1/6.25s Selectable (50Hz)
Minimum Illumination	Color: 0.3 lux at 50 IRE, 0.06 lux at 10 IRE, F1.8; B/W: 0.01 lux at 50 IRE, 0.04 lux at 10 IRE, F1.8 (Shutter speed: 1/15 sec)
Video Output	NTSC: 720x480 @30fps; PAL: 720x576 @25fps
Bit Rate Control	CBR, VBR

Lens	
Lens Type	Built-in; fixed focal
Focal Length	f=3.6mm, F1.8
View Angle	H: 63°

Image Enhancement	
Image Settings	AES, AWB, AGC Exposure Mode: AES / ALC / Flickerless / Manual; White Balance: Auto / Manual; Backlight Compensation Configurable Brightness, Contrast, Hue, Saturation, and Sharpness Gamma Correction
WDR	Enhanced Digital WDR
DNR	Configurable 3DNR setting
Privacy Zone	Yes, up to 8 privacy zones
Image Orientation	Mirror, Flip
Frequency Control	NTSC(60Hz)/ PAL(50Hz)
Date & Time Stamp	Yes

Intelligent Video & Event Management	
Motion Detection	Yes, 3-level sensitivity
Ethernet Detection	Network loss detection
Others	Optimized i-frame (GOP) setting
Events	Motion detection, ethernet detection
Event Actions	Event snapshot to remote FTP storage/ email recipients, HTTP event query, HTTP event client pulling
Store Category	Event snapshot, Manual Snapshot, Manual Recording

Network	
Protocol	ARP, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, UDP, UPnP, IEEE802.1X
Ethernet	10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45
ONVIF	Yes
Browser	Internet Explorer, Chrome, Firefox

Security	Multiple user access levels with password protection; IP address filtering IEEE 802.1X network access control, HTTPS encryption, and digest authentication
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I/O & Controls	
Power	All-in-one tail cable out Female RJ-45 10BASE-T/100BASE-TX PoE
Power LED Indicator	System power and status indicator
Network	Female RJ-45
Analog Video	1 x composite video out, micro JST
System Reboot	Reset x 1
Factory Default	Default x 1, pressing 5 sec for loading factory default

Power	
Power Requirement	PoE (IEEE 802.3af), class 0
Power Consumption (Max.)	7.7W

Mechanical	
Dimensions(ΦxH)	Φ110mm x 47mm (Φ4.33" x 1.85")
Weight	340g (0.75 lb)
Protection	IP66 Certified, IP67/IP68 Compliant IK10 Compliant
Pan/Tilt Adjustment	3-dimensional spherical lens angle adjustment

Environmental	
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Operating Humidity	90% RH, non-condensing
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)

Regulatory	
Approvals	CE, FCC, RoHS

Ordering Information	
Model No.	NTSC: UFD301-N3-MES; PAL: UFD301-P3-MES
Accessories	Surface mount: standard package support

Dimensions

