

# ULT-P4DRIR

4 Megapixel IP Plug & Play Mini Rugged Dome, 2.8mm, WDR, 100' IR Range, PoE/DC12V, SD Card Slot



4 Megapixel	Plug & Play	30 FPS
True Day/Night	True WDR	ONVIF
H.264 / H.264+	Smart IR 100' Range	IP66 Weather Resistant
Operates to -22° F	PoE/DC12V	OSD
Dual Stream	Region of Interest	3D DNR
BLC	VCA	Free App iOS & Android
Microphone Line In/Out	SD Card Slot	

## Features

- Ultra IP 'hands free' Plug-and-Play system: just connect to PoE switch and stream video
- Real time 30FPS streaming at 1920x1080 (1080p)/1280x720 (720p)
- View and record 4MP resolution at up to 20FPS from 1/3" progressive scan CMOS sensor
- 1/3" progressive scan CMOS sensor
- Various fixed lens options for optimal coverage
- Low light sensitivity of .01lux with True Day/Night (ICR)
- 120db WDR to handle the most challenging of bright or unbalanced lighting conditions
- ONVIF Compliant
- H.264+ substantially reduces main stream bandwidth and HDD file size when used with compatible InVid Tech NVRs
- Microphone In/Out Line
- Edge recording to Micro SD card (up to 128GB)
- 100' foot IR LED Range for Viewing when there is Minimal or No Lighting
- Smart IR Control of image contrast despite bright, close in objects in scene
- IP66 weather resistance and -22°F~140°F temperature range
- Dual PoE/12VDC power
- Extensive OSD capabilities, many controlled directly from Ultra IP NVR
  - Dual streaming in H.264/MJPEG with fixed/variable bandwidth control from 32Kb/s to 12.3Mb/s
  - Region of Interest allocates bandwidth to maximize resolution in priority areas within scene
  - Day/Night and IR switching (or disable IRs if desired)
  - In-camera detection of motion, video loss or tampering with alarm reporting to NVR
  - 3D DNR improves low light image clarity and reduces bandwidth/NVR disk utilization
  - BLC specifically for handling scenes with back lit subjects
  - Video Content Analytics: Line Crossing/Area Intrusion, Accessed from Camera OSD or NVR
- Alarm input and output trigger terminals for interface with external equipment
- Support for iOS & Android Smart Phones with Free App
- Support for Safari/FireFox/IE web browsers with free plug-in
- Three axis dome housing with 360° pan/rotate and 90° tilt for flexible wall or ceiling mounting
- Various Housings and Mounts Available to Customize Installation

## Ordering Information

**ULT-P4DRIR28:** 4 Megapixel IR Dome, 2.8mm

**ULT-P4DRIR4:** 4 Megapixel IR Dome, 4mm



# ULT-P4DRIR

4 Megapixel IP Plug & Play Outdoor Rugged Dome, 3.6mm, 65' IR Range, CVBS Output, PoE/DC12V

<b>Camera</b>	
Image Sensor	1/3" Progressive Scan CMOS
Total Pixels (H x V)	2688x1520 4 Megapixel @ Maximum Resolution
Day & Night	True Day & Night with ICR; Controllable by light sensor or via schedule
Min. Illumination	.01lux @ F1.2, AGC on 0 Lux (IR LED On; IR may be disabled in OSD)
IR LED	30 IR LED 850nm
IR Distance	100 ft. (30m) Nominal IR performance depends on scene reflectivity
Smart IR	OSD Controlled Off/On
Shutter Speed	1/3s ~ 1/10,000s
WDR	120dB Range; Off/On, Level Adjust
BLC	BLC: Off/Top, Bottom, Left, Right, Center Weighted, or Custom Area
White Balance	AWB; Locked; Incandescence, Warm, Natural or Fluorescent Light
3D DNR	Off/On, Level Adjust
<b>Lens</b>	
Focal Length (standard)	4mm F=2.0, 2.8mm optional
Lens Angle	2048 x 1536: Angle of view: 86°(2.8mm), 70°(4mm), 43.3°(6mm), 20.6°(12mm), 1920 x 1080: Angle of view: 98.5°(2.8mm), 79°(4mm), 49°(6mm), 23.2°(12mm). All lens options may not be available for all cameras.
Lens Type	Fixed focal length
<b>Audio</b>	
Input	Screw terminal Input (line level)
Output	Screw terminals (line level)
Audio Compression	G.711 / G.722 / G.726 / MP2L2
Audio Bit Rate	64Kbps (G.711) / 16Kbps(G.722) / 16Kbps(G.726) / 32~128Kbps(MP2L2)
<b>Video</b>	
Supported Resolutions	Main Stream: 2688x1520; 1920x1080; 1280x720 Sub Stream: 352x240; 640x360
Maximum Frame Rates	20FPS@2688x1520 ; 30FPS@1920x1080 ; 30FPS@1280x720 30FPS for sub stream
Compression	H.264+ Main Profile, H.264 Main Profile, MJPEG
Bit Rate	Nominal rates from drop down: 256, 512, 1024, 2048, 3072, 4096, 6144, 8192, 12288, 16384 Kbps Customized rates: 32Kbps~16384Kbps
Streaming	Dual-Stream at different frame rates and bandwidth
Region of Interest	Image detail priority/enhancement for up to four user defined areas for main and/or sub stream
Image Settings	Brightness, Contrast, Saturation, Sharpness, Hue, AGC Gain, Image rotation/mirror, 50/60Hz system, Text overlay (Name, Time/Date, Fixed Labels; adjustable for position, size, color, etc.), Privacy masking
<b>Network</b>	
LAN	Ethernet 10/100 Base-T (RJ-45 Type) with weather sealed shell
Security	Multiple user access levels with password protection; Watermarking of captured video IP address filter; IEEE802.1X (Authentication)
Protocol	IPv4, IPv6, HTTP, HTTPS, TCP/IP, ICMP, DHCP, DNS, DDNS, RTP, RSTP, RTCP, uPnP, UDP, IGMP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, 802.1X, QoS, Bonjour
Network Storage	Video upload to PC, FTP or NAS
VMS Compatibility	ONVIF (Profiles S & G), PSIA, CGI, ISAPI
Supported Browsers	Internet Explorer, FireFox, Safari (with O/S compatible plug-in)
<b>Intelligent Video</b>	
Line Crossing Detection	Line Crossing Detection: One line that can be set 3 different ways to detect activity.
Area Intrusion Detection with Loitering Time	Up to 4 independent lines making one area, each with separate sensitivity, percentage and loitering time control. Arming schedule by day of week and time of day.
Video Motion Detection	With arming schedule and multiple actions: notify NVR, send email, upload to FTP, trigger alarm output
<b>Alarm &amp; Event</b>	
Alarm Input	Screw terminals - SPST (transistor switch)
Alarm Output	Screw terminals - SPST (transistor switch)
Alarm Triggers	Intelligent video Motion Detection, Video Loss, Tampering, Network Disconnect, IP Address Conflict, Storage Exception, Wired Input Contact Closure
Alarm Events	Notify NVR, send email, upload to FTP, trigger alarm output
<b>Edge Recording</b>	
SD Card Slot	Micro SD / SDHC / SDXC up to 128Gb
NAS	Supports NFS, SMB/CFIS and ANR
<b>General</b>	
Reset Button	Yes
Angle Adjustment	3-Axis Pan: 0~355° Rotation: 0~355° Tilt: 0~75°
Power	PoE class 3 (IEEE 802.3af)
	12VDC +/- 10%
	5W Maximum
Interface	8P/8C RJ-45F for Network and PoE
	Power (DC 12V) Input
Environmental	IP66 (Weather Resistant)
Operating Temperature	-22 °F ~ 140 °F (-30 °C ~ 60 °C)
Impact Protection	IK-10 Vandal Resistant
Dimension	4.4" diameter x 3.2" high (Ø111x82)
Weight	1.1 lbs./500g
<b>Accessories</b>	
Mounting Options	Various Housings and Mounts Available to Customize Installation