

A&E SPECIFICATION

Advidia A-54 3 MEGAPIXEL WDR VANDALPROOF NETWORK DOME CAMERA

1.1 GENERAL

- A. This product shall be manufactured by a firm whose quality system is in compliance with the ISO-9001.
- B. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system.
- C. All systems and components shall have been thoroughly tested and proven in actual use.
- D. All systems and components shall be provided with comprehensive repair and spare parts replacement. The manufacturer on warranty and non-warranty items shall guarantee the spare parts and the repair.
- E. All systems and components shall have been thoroughly tested and proven in actual use.
- F. All systems and components must be in compliance with FCC, CE, UL and RoHS requirements.
- G. All materials furnished under this item shall be compliant with 802.3 Ethernet standards.

1.2 HD 3 MEGAPIXEL WDR VANDALPROOF NETWORK DOME CAMERA

- A. The network camera shall offer dual video streams with up to 2048 x 1536 @ 15fps resolution in progressive scan CMOS format, with H.264 video compression.
- B. The network camera shall provide true & day night (ICR) low-light capabilities with sensitivity down to 0.1Lux @ (F1.2,AGC ON) (-I: 0.1 Lux @ (F1.2,AGC ON)).
- C. The network camera shall support DC Iris.
- D. The network camera shall provide up to 120dB of wide dynamic range (WDR). The WDR shall support both automatic and manual modes. The WDR shall be based upon luminance-adaptive Tone Mapping (LATM) and Space-variant Contrast Enhancement (SVCE) algorithms.
- E. The camera shall offer video compression of H.264, MPEG-4 and MJPEG. Dual H264 streams shall be supported with independent resolution, bit rate and frame rates for the main and sub streams.
- F. The network camera shall provide a removable, local storage medium (SD/SDHC), up to 32 GB for scheduled and event-based recording of images.
- G. The network camera shall include embedded Linux OS and support IE and client software for network preview, and be capable of performing firmware upgrades through a network using a software-based device utility or thru the web interface.
- H. The network camera shall be equipped with built-in password protection which is not dependent on a server.
- I. The network camera shall support standard IT protocols including: TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, ICMP, IGMP, SNMP, FTP, QoS.
- J. The network camera shall support industry standard Power over Ethernet (PoE) IEEE 802.3af for powering the camera over the network in addition to 12VDC local power.
- K. The camera shall provide the ability to take snapshot and record video clips from the web interface and store on the local computer.
- L. The camera shall support video motion detection with user defined areas and configurable sensitivity levels. In addition, the motion detection shall be supported by an arming schedule

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with the audible warning, surveillance center notification, email, ftp upload, and alarm output triggered as supported events.

- M. The camera's web interface shall permit settings to be exported to and imported from a configuration file via the web interface, API and camera manufacturer's client software.
- N. The camera shall conform to ONVIF and PSIA standards for integration with 3rd party video management systems (VMS). The camera may also support custom firmware for specific integration with a 3rd party VMS.
- O. The camera shall be compatible with a Video Management Software (VMS) package and Mobile Phone Application from the same manufacturer which is provided free of charge. The VMS shall not be a restricted use version of the manufacturer's full featured version.

1.3 POWER

- A. Power Supply 12 V DC \pm 10%, PoE (802.3af)
- B. Power Consumption
 - Model with -E 5.5 W
 - Model with -I 7.5 W
 - Model with -I & -Z 10.5 W

1.4 CAMERA

- A. Image Sensor 1/3" Progressive Scan CMOS
- B. Min. Illumination Color: 0.1Lux @(F1.2,AGC ON), 0 Lux with IR
-I:
Color: 0.1 Lux @(F1.2,AGC ON), 0 Lux with IR
- C. Shutter Time 1/25 s(1/30 s) to 1/100,000 s
- D. Lens 2.7 - 9 mm @ F1.6,
-Z: Motorized VF lens, 2.7 - 9 mm @ F1.6
Angle of view: 101°-30.4°
- E. Lens control Manual
-Z: Motorized zoom / focus (push to Auto Focus)
- F. Angle Adjustment Pan:0° - 360°, Tilt: 0° - 75°, Rotation: 0° - 360°
- G. Auto Iris DC Drive
- H. Max. Image Resolution 2048x1536
- I. Resolutions supported Main Stream: 2048x1536 @ 12.5fps, 1920x1080 @ 25fps,
1280x720 @ 25fps
Sub Stream: 4CIF, CIF, QVGA
- J. Day & Night Electronic (-I: IR cut filter with auto switch)
- K. Wide Dynamic range 120dB; Automatic, On, Off.
- L. Back Light Compensation On, Off. Zones
- M. Noise Reduction 3D - Independent Time, space with selectable levels (1-100)
- N. Image Settings Saturation, Brightness, Contrast, Sharpness
- O. Image rotation Mirror;
- P. White Balance Auto; AWB1, AWB2; Push to White Balance
- Q. Exposure Modes Indoor, Outdoor

1.5 VIDEO SPECIFICATIONS

- A. Compression H.264, MPEG-4, MJPEG
- B. Dual Stream Yes; Main stream up to 1280x960; sub-stream up to 4CIF
- C. Bit Rate 32 Kbps ~ 16 Mbps

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D. Rate Control	Constant, Variable
E. H264 profiles	High, Main, Base
F. Max. Frame Rate(main)	15fps@2048x1536, 30fps@1920x1080; 1280x720
G. Sub-stream	4CIF, CIF, QVGA
H. Users	
1. Unicast	Up to 6 simultaneous users
2. Multicast	Unlimited H.264
I. Security Access	Password protected
J. Software Interface	Web browser view and remote client.
K. Video Output	1 Vp-p composite output (75 ohm/RCA)

1.6 NETWORK

A. Local Storage	Built-in SD/SDHC slot, up to 32 GB
B. Alarm Trigger	Motion detection, tampering, network disconnect, IP address conflict, storage exception
C. Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, ICMP, IGMP, SNMP, FTP, QoS.
D. Security	User authentication, watermark, 802.1X
E. System Compatibility	ONVIF, PSIA
F. Communication Interface	1 RJ45 10 M/100 M Ethernet port and 1 RS-485 interface

1.7 WEB BROWSER REQUIREMENTS

A. Operating System	PC (Intel® Core® 2 Duo microprocessor, 2.6 GHz) with Microsoft® Windows® XP, Windows Vista®, or Windows® 7
B. Web User Interface	DirectX for Windows XP, Windows Vista, Windows 7
C. RAM	2 GB
D. Ethernet Card	100 Mbps
E. Web Brower	Internet Explorer® 7.0 or later; Firefox, Chrome
F. Screen Resolution	1024 x 768 pixels or higher, 16- or 32-bit pixel color resolution

1.0 PHYSICAL

A. Operating Conditions	-10 °C ~ 60 °C (14 °F ~ 140 °F)
B. Humidity	90% or less (non-condensing)
C. Dimension (Diameter x H) Φ	140 × 114 mm (Φ 5.51" × 4.49")
D. Weight	1400 g (3.09 lbs)
E. Construction	
a. Body Material	Aluminum alloy
b. Body Color	White
c. Screws	Stainless Steel, Security Torx

1.9 CERTIFICATIONS AND RATINGS

A. Regulatory	
a. IEC/EN 61000	
b. IEC/EN 55022	
c. IEC/EN 55024	
d. IEC /EN60950-1	
e. FCC Part 15, Class b	
f. UL/cUL 60950-1	

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- g. RoHS
- B. Ratings
 - a. Impact Protection IEC60068-275Eh, 50J; EN50102, up to IK10

1.10 WARRANTY

- A. 3 years, parts and factory labor

1.11 ACCESSORIES

- 1.12 A. A44-FM Indoor Flush Mount
- 1.13 B. A44-OD-MB Outdoor rated wall mount
- 1.14 C. A44-Pendant Pendant Mount
- 1.15 D. A-Polemount Pole Mount