

A&E SPECIFICATION

Advidia A-54-V2 3MP WDR NETWORK DOME CAMERA

TECHNICAL SPECIFICATIONS

2.1 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
- H. Technical support shall be based in the United States and be available weekdays from 6:00 AM–6:00 PM Pacific Time

2.2 3MP WDR NETWORK DOME CAMERA

- A. The network camera shall offer three video streams with up to 3MP resolution (2048 x 1536) in progressive scan CMOS format, with H.264 video compression.
- B. The network camera shall be provided with a DC Iris, vari-focal lens with 2.8-9mm with motorized zoom and focus for remote setting over the network.
- C. The network camera shall provide true & day night (ICR) low-light capabilities with sensitivity down to 0.14Lux @F1.4, AGC ON, 0 Lux with IR
- 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 network camera shall support Back-Light Compensation (BLC) with selectable zones.
- F. **The network camera shall offer video compression of H.264, MPEG-4 and MJPEG.** Three H.264 streams shall be supported with independent resolution, bit rate and frame rates for the main, sub and third streams.
- G. The network 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 with the audible warning, surveillance center notification, email, and alarm output triggered as supported events.
- H. The network camera shall support smart features including intrusion zones, transverse plane (tripwire), facial detection, out of focus detection, out of position (tampering) detection and audio level detection. The smart function shall all be supported simultaneously without degrading camera performance.
- I. 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 through the web interface.

G.	Auto Iris	DC Drive
G.	Angle Adjustment	Pan: 0~ 355°, Tilt: 0~ 75°, Rotation: 0~ 355°
H.	Max. Image Resolution	2048x1536
I.	Resolutions supported	Main Stream: 2048x1536@20fps (1920 x 1080, 1280 x 960, 1280 x 720)@25/30fps; Sub Stream: (4CIF, CIF, VGA)@25/30fps Third Stream: (2048x1536, 1920 x 1080, 1280 x 960, 1280 x 720, 4CIF, CIF, VGA)@25/30fps
J.	Day & Night	Day, Night, Auto, Schedule,
K.	D/N Sensitivity	high, normal and low
L.	IR	Enable / Disabled
M.	WDR	120dB, selectable level; Auto, On, Off
N.	Back Light Compensation	On/ Off, Zone configurable
O.	BLC Area	Selectable: Off, Up, Down, Left, Right and Center
P.	Digital Noise Reduction	Off, Normal Mode (2D) and Expert Mode (3D - Independent Time, Space)
Q.	Noise Reduction Level	Selectable levels (1-100)
R.	Scene Mode:	indoor or Outdoor.
S.	Image Settings	
	a) Saturation	Adjustable 1-100
	b) Brightness	Adjustable 1-100
	c) Contrast	Adjustable 1-100
	d) Sharpness	Adjustable 1-100
	e) AGC	Adjustable 1-100
T.	Image rotation	Mirror (Left/Right, Up/Down, Center, Off)
U.	White Balance	MWB, AWB1, AWB2, Locked WB, Fluorescent Lamp, Incandescent Lamp, Warm Light Lamp, Natural Light
V.	TV System	NTSC (30fps); PAL (25fps)
W.	Flicker reduction	60 Hz, 50 Hz
X.	On-Screen Display	User positionable- Camera Title, Date/Time, 4 Rows Text, bitmap
Y.	Camera Title	32 Characters, User positionable
Z.	Time/Date	Multiple formats/modes
AA.	Text Overlay	4 Lines, 44 characters;
AB.	Graphics	128*x128 BMP with 24bit color depth
AC.	Privacy Masks	4
AD.	Defog	On/Off
AE.	Stabilization (EIS)	On/Off

2.5 VIDEO&AUDIO SPECIFICATIONS

A.	Compression	Main stream: H.264, MPEG4 Sub stream: H.264, MPEG4, MJPEG Third stream: H.264, MPEG4, MJPEG
B.	Three Streams	Yes; Main stream up to 2048 x 1536; sub-stream up to 4CIF; third stream up to 2048 x 1536
C.	Video Bit Rate	32 Kbps ~ 16 Mbps
D.	Audio Compression	G.711/G.722.1/G.726/MP2L2
E.	Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
F.	Rate Control	Constant, Variable

G.	H.264 profiles	Main profile
H.	Max. Frame Rate(main)	25/30fps@1920 x 1080
I.	Sub-stream	4CIF, CIF, VGA
J.	Third-stream	2048 x 1536, 1920 x 1080, 1280 x 960, 1280 x 720, 4CIF, CIF, VGA
K.	Users	
	1. Unicast	Up to 20 simultaneous users
	2. Multicast	Unlimited H.264
L.	Security Access	Password protected
M.	Software Interface	Web browser view and remote client.

2.6 SMART FUNCTIONS

A.	Motion Detection	Normal mode and expert mode. Expert mode- 8 regions; independent Day and night settings; adjustable sensitivity and proportion of motion
B.	Face Detection	Up to 30 faces, adjustable sensitivity; Response Action: trigger e-mail, control center or FTP linkage
C.	Audio exception detection	Audio level and threshold
D.	Intrusion Detection	4 regions- independent threshold, direction, sensitivity and percentage
E.	Out of Focus Detection	Change in focus from reference image
F.	Scene Change Detection	Scene change (tampering) detection form reference image
G.	Traverse Virtual Plane	4- Irregular user defined lines with independent sensitivity
H.	People Counting	Defined zone, direction

2.7 NETWORK

A.	Alarm Trigger	Motion detection, tampering alarm, network disconnect, IP address conflict
B.	Protocols	TCP/IP, ICMP, HTTP,HTTPS,DHCP,DNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, IGMP, IPv6, Bonjour (SIP optional)
C.	Security	User authentication, watermark, IP address filtering, Anonymous access
D.	System Compatibility	ONVIF, PSIA, CGI
E.	Communication Interface	1 RJ45 10 M/100 M Ethernet port

2.8 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

2.9 PHYSICAL

A.	Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F)
B.	Humidity	95% or less (non-condensing)
D.	IR Range	Up to 30m (90ft)

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| E. IR LEDS | 850nm, Qty 30 |
| F. Dimension | Φ140 × 121.8 mm (5.51" × 4.80") |
| G. Weight | 1400 g (3.09 lbs) |
| H. Construction | |
| a. Body Material | Aluminum alloy |
| b. Body Color | Hikvision White |
| c. Screws | Stainless Steel, Security Torx |
| d. Bubble | Clear Polycarbonate, IK10 Rated |
| I. Conduit Interface | ¾" NPT Side; ¾" Bottom |

2.10 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
 - g. RoHS
- B. Ratings
 - a. Impact Protection IEC60068-275Eh, 50J; EN50102, up to IK10

2.11 WARRANTY

- A. 3 years, parts and factory labor