

COHU

Series 7520^{HD} H.264 1080p30 Fixed Dome System



- ▶ HDTV 1080p30 Image Quality
- ▶ H.264 Main Profile Video Compression
- ▶ RTP/RTSP Streaming Protocol
- ▶ Sensitive Day/Night Technology
- ▶ Flexible Event Management Programming
- ▶ IP66/NEMA 4 Ingress Protection
- ▶ Vandal Resistant Dome
- ▶ 3-Axis Gimbal for Easy Camera Positioning
- ▶ Power-over-Ethernet 802.3af support
- ▶ Automated Event Timer with Snapshot Capture
- ▶ Send Snapshots and Video to FTP Site
- ▶ Web Configuration, Viewing and Control

The 7520^{HD} series is the latest addition to Cohu's expanding family of HDTV products, offering best-in-class image quality, event management processing and network stability you can rely on.

The performance standards of the 7520^{HD} series are ideal for requirements encountered in security surveillance and remote monitoring applications. Its robust design insures years of continuous operation even in the most demanding environments.

A high-quality, ultra-strong polycarbonate bubble and aluminum body combine to make the 7520^{HD} dome vandal-resistant while maintaining an aesthetically pleasing look in any scenario. The IP66 rating allows for installation just about anywhere.

Using a powerful encoding engine, the 7520^{HD} is capable of streaming multiple, individually configured H.264 and MJPEG streams.

Features include full HD resolution video of 1080p30 (1920 x 1080), H.264 and MJPEG video compression codecs, configurable image settings, and powerful event management processing.

Event triggers include video motion detection, user commands and periodic timers.

Event actions include sending snapshots and video clips to an FTP site and emailing event notifications.

Network and security features include static or dynamic IP addressing, domain name, bandwidth limit setting, authentication rules and network time

server support.

The 7520^{HD} provides a full function web server, allowing complete administrative and operator control capabilities.

Administrative features include configuring network settings, user password assignments, setting video streaming properties, event management programming and assigning camera ID labels etc.

Access to the camera is protected by username/password authentication.

Cohu delivers years of clean, reliable images and backs it with a world-class three year warranty.



Series 7520^{HD}

H.264 1080p30 Fixed Dome System



Camera

SENSOR CHARACTERISTICS

Sensor Type: 1/3" CMOS
Scanning Mode: Progressive
Active Pixels: 1920 x 1080
Resolution/Frame Rate: 1080p30
Shutter: Rolling
Camera Format: Day/Night [IR filter]
IR Range (nm): 800 to 940
Dynamic Range: 70dB

SENSITIVITY (SCENE, F1.4, USABLE VIDEO)

Color Mode: 0.02 fc (0.2 lux)
Mono Mode: 0.005 fc (0.05 lux)

LENSES

Includes 1/3" varifocal, 3-13mm, IR corrected, f1.4, fixed iris, manual zoom, manual focus, field adjustable

IMAGE CONFIGURATION PROPERTIES

Shutter: Auto, Optimize Speed, Optimize Quality
Saturation: Manual [0-1.98]
Contrast: Manual [0.00 -1.00]
Brightness: Manual [0.2 to 1.0]
White Balance: Auto [Selectable Region of Interest]
Integration Level: Disabled, 2x, 4x
Sharpness: High, Medium, Low, XLow
Orientation: Normal, 180°, Horizontal, Vertical
Gain: Peak Detect, Dark Detect, Average, Average Clip
AC Lighting Flicker Adjustment: 50Hz, 60Hz
Cropping: Yes

Encoding

VIDEO STREAMS

Compression Types: H.264 or MJPEG
Video Streams:
Two (2) Individually Configurable Streams
Each Stream Configurable for H.264 or MJPEG

Video Stream Resolutions:

Stream 1: [1080p, 2M, 1.2M, 720p, 480p, VGA, SIF, QVGA]

Stream 2: [480p, SIF]

Video Stream Frame Rate: 30, 15, 10, 7.5, 5, 4, 3, 2, 1

Video Stream Data Rate: 256Kb to 11Mb

Video Stream Latency: 4 frames (133 msec)
(Does not include network routing or client rendering latency)

ANALOG VIDEO

Not Available

AUDIO

Codec: Two-way, G.711 PCM 8K Hz
Mic Input, Line Output
(External microphone and amplified loudspeakers required)

Event Input/Output

DIGITAL I/O

Not Available

VIDEO MOTION DETECTION

VMD Array: 12 x 8 Detection Cell Grid
Windows: Up to 4 Monitored Simultaneously
Regions of Interest: [1 x 1 up to 12 x 8]
Region of Interest Modes: Include, Exclude, Disable
Sensitivity: [1-255]
Size: [0-100]

Event Management

EVENT TRIGGERS

Video Motion Detection
User Command
Periodic Timer

EVENT ACTIONS

FTP Snapshot, Video or Both
Email Snapshot, Video or Both

ON-BOARD RECORDING

Not Available

Web Server Capabilities

CONFIGURATION SETTINGS

Network, Video Stream, Image Properties, OSD, Security and Upgrades

AUTHENTICATION

None, Basic [User/Password], Access Hours, HTTPS, Certificate

BROWSER SUPPORT

Internet Explorer™, Firefox™, Safari™, Chrome™, Opera™, or Mozilla

MEDIA PLAYER SUPPORT

VLC Player, Apple QuickTime, Windows Media Player and Core Player

Communication Interfaces

NETWORK

Ethernet: 10/100BaseT, 802.3u
Network Protocols: TCP/IP, HTTP, HTTPS, DHCP, UDP, RTP, RTSP, DNS, ARP, ICMP, NTP, UPnP, ZeroConf, APIPA, CIFS, SNMP, UDP multicast, FTP, SMTP, Telnet,

VIDEO

ONVIF, PSIA, Cohu 7500 Series

On Screen Display (OSD)

ELEMENTS

Camera Description ID: Up to 16 Characters
Time/Date: Time Zone Setting [Disable/Enable]



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12367 Crosthwaite Circle
Poway CA 92064-1245
Tel. +1 (858) 391-1800
Fax: +1 (858) 513-1094

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Electrical

INPUT VOLTAGE

PoE 802.3af Class 1

POWER

4 Watts

Connections

SDHC CARD SLOT

Not Available

NETWORK CONNECTOR

RJ-45 [Ethernet and Power-over-Ethernet]

POWER CONNECTOR

Uses Network Connector [PoE]

ANALOG VIDEO

Not Available

RESET BUTTON

Sets camera back to factory default settings

AUDIO CONNECTOR

For external microphone and amplified loudspeaker devices

Mechanical

WEIGHT

2 lbs (900g)

DIMENSIONS {H x D}

3.8" [97.3mm] x 5.9" [150mm]

CONSTRUCTION/FINISH

Powder Coated, Cast-Aluminum Enclosure
Clear Scratch Resistant Polycarbonate Dome

MOUNTING

Surface Mount to Plenum or other Durable Ceiling Surface

Surface Mount to interior / exterior Wall Surface

Mount to Optional Interior / Exterior Wall Mount Adapter [Requires 7411550-001]

Environmental

TEMPERATURE RANGE

-4°F to 122° (-20°C to 50°C)

HUMIDITY

10% to 80% non-condensing

INGRESS PROTECTION

IP66, Nema 4

Certifications

EMISSIONS

FCC, class B part 15

EN 55022: 1998 with A1: 2000, A2: 2003; Class A

CISPR 22: 1997 with A1: 2000, A2: 2002; Class A

AS/NZS CISPR 22: 2002; Class A

IMMUNITY

EN 55024: 1998 with A1: 2001, A2: 2003

CISPR 24: 1997 with A1: 2001, A2: 2002

SAFETY

EN 60950-1: 2001 with A11: 2004

IEC 60950-1: 2001

ROHS

All material and/or components used in the manufacture of the product shall be in compliance with the EU Directive 2002/95/EC Restriction of Hazardous Substance (RoHS).

Accessories

POE INJECTOR

8180-4 PoE 802.af Injector, US Plug

POE ADAPTER PLUGS

7411555-001 Plug Adapter, Brazil

7411555-002 Plug Adapter, Europe

7411555-003 Plug Adapter, India

7411555-004 Plug Adapter, UK

7411555-005 Plug Adapter, US

MOUNTS

7411550-001 Wall Mount

7411550-002 Pole Mount Adapter (Requires 7411550-001)



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Camera Modeling Structure

752 X - X X X X	MODEL OPTIONS	OPTION DESCRIPTION
	PRODUCT SERIES	
	752	Dome Camera SYstem, 1080P30 H264/MJPEG
	Power Options	
	1	PoE 802.3af
	Sensor Options	
	2	Day/Night 1920 X 1080 CMOS Sensor
	Unassigned	
	0	None
	Unassigned	
	0	None
	Lens Options	
	1	Varifocal, 3-13mm, F1.4, IR Corrected

Camera Views



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