

COHU

Series 7530^{HD} Outdoor H.264 1080p30 Fixed Camera System



- ▶ HDTV 1080p30 Image Quality
- ▶ H.264 Main Profile Video Compression
- ▶ RTP/RTSP Streaming Protocol
- ▶ Sensitive Day/Night Technology
- ▶ Remote Back Focus Capability
- ▶ Flexible Event Management Programming
- ▶ Digital I/O Connections
- ▶ Power-over-Ethernet 802.3af Support
- ▶ IP66 Ingress Protection
- ▶ Web Configuration, Viewing and Control
- ▶ Send Snapshots and Video to FTP Site
- ▶ Automated Event Timer with Snapshot Capture

The 7530^{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 7530^{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.

Using a powerful encoding engine, the 7530^{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 external sensor

inputs, video motion detection, user commands and periodic timers.

Event actions include activating an alarm output, sending snapshots and video clips to an FTP site and email event notifications.

Designed with the installer in mind, the remote back focus capability makes installation easy.

Using the One-Touch-Focus feature for sharp images greatly reduces installation time and allows fine focus adjustment from a remote computer, eliminating the need for manual focus adjustments at the camera.

IP66 protection allows the camera to be installed in almost any harsh environment. At less than 8 watts power consumption, the 7530^{HD} is fully operational using only Power-over-Ethernet.

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

The 7530^{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.

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 7530^{HD}

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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)

LENS OPTIONS

12-40mm, F1.8, IR Corrected
2.8-12mm, F1.4, IR Corrected
1.8-3mm, F1.4, IR Corrected
Focus: Manual [One Touch-Remote-Focus]
Iris: Manual
Zoom: Manual

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:
Three (3) Individually Configurable Streams
Each Stream Configurable for H264 or MJPEG

Video Stream Resolutions:

Stream 1: [1080p, 2M, 1.2M, 720p, 480p, VGA, SIF, QVGA]
Stream 2: [480p, SIF]
Stream 3: [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

Not Available

Event Input/Output

DIGITAL I/O

Sensor Input: (1) Dry Contact, NO or NC
Control Output: (1) Open Collector

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

External Sensor Input
Video Motion Detection
User Command
Periodic Timer

EVENT ACTIONS

Activate Control Output
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: Up to 31 Characters
Time/Date: Time Zone Setting [Disable/Enable]

COHU



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Electrical

INPUT VOLTAGE

PoE 802.3af Class 3, 24 Vac, 12-24 Vdc

POWER

8 Watts

Connections

NETWORK

RJ-45 [Ethernet and Power-over-Ethernet]
Punchdown Terminal Connector

POWER CONNECTOR

Network Connector with PoE
2-Pin Push-In Terminal Block

ANALOG VIDEO OUT

Not Available

RESET BUTTON

Sets Camera Back to Factory Default
Settings

AUDIO

Not Available

AUDIO/TRIGGER CONNECTOR

For connecting alarm trigger input and
output to external devices

SDHC CARD SLOT

Not Available

Mechanical

WEIGHT

6.2 lbs (2.8 kg)

DIMENSIONS {D X H X W}

15.36 [390.1mm] x 9.58 [243.2mm] x
5.18" [131.7mm]

CONSTRUCTION/FINISH

Powder Coated Aluminum
Polycarbonate Faceplate

MOUNTING

Universal Wall/Ceiling/Parapet Mount
and Adjustable Head with Junction Box
Included

Environmental

TEMPERATURE RANGE

-30°C (-22°F) to 50°C (+122°F)
Operating Humidity Range: 10% to 80%
Non-Condensing
Ingress Protection Rating: 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

MOUNTS

Universal Wall/Ceiling/Parapet Mount with
Adjustable Head Included
Pole mount adapter: 7411550-002

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



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Camera Modeling Structure

753 X - X X X X	MODEL OPTIONS	OPTION DESCRIPTION
753	PRODUCT SERIES	753 IP66 Camera System, 1080p30 H264/MJPEG, Alarm I/O and Mount
1	Power Options	PoE, 12-24VDC, 24VAC
2	Sensor Options	Day/Night 1920 x 1080 CMOS Sensor
0	Unassigned	None
0	Unassigned	None
1	Lens Options	Varifocal, 12-40mm, F1.8, IR Corrected
2	Lens Options	Varifocal, 2.8-12mm, F1.4, IR Corrected
3	Lens Options	Varifocal, 1.8-3mm, F1.4, IR Corrected

Camera Views



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H.264

HD 1080

MJPEG



Onvif

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