Network Camera

Technical Manual

Notices

The information in this documentation is subject to change without notice and does not represent any commitment on behalf of HIKVISION. HIKVISION disclaims any liability whatsoever for incorrect data that may appear in this documentation. The product(s) described in this documentation are furnished subject to a license and may only be used in accordance with the terms and conditions of such license.

Copyright © 2006-2012 by HIKVISION. All rights reserved.

This documentation is issued in strict confidence and is to be used only for the purposes for which it is supplied. It may not be reproduced in whole or in part, in any form, or by any means or be used for any other purpose without prior written consent of HIKVISION and then only on the condition that this notice is included in any such reproduction. No information as to the contents or subject matter of this documentation, or any part thereof, or arising directly or indirectly therefrom, shall be given orally or in writing or shall be communicated in any manner whatsoever to any third party being an individual, firm, or company or any employee thereof without the prior written consent of HIKVISION. Use of this product is subject to acceptance of the HIKVISION agreement required to use this product. HIKVISION reserves the right to make changes to its products as circumstances may warrant, without notice.

This documentation is provided "as-is," without warranty of any kind.

Please send any comments regarding the documentation to:
overseabusiness@hikvision.com

Find out more about HIKVISION at www.hikvision.com

DS-2CD854FWD-E(W)

Key Features

- Up to 3 megapixel (2048 × 1536) resolution, real time video at Full HD 1080P
- Standard video compression with high compression ratio
- 120dB WDR(Wide Dynamic Range)
- Progressive scan CMOS
- Support dual stream, and the sub-stream for mobile surveillance
- Up to 32 GB SD/SDHC card for on-board storage
- Support 3D DNR (Digital Noise Reduction)
- IR cut filter with auto switch
- Two-way audio
- PoE (Power over Ethernet)
- Auto-iris, electronic shutter for different surveillance environments
- Support analog video output for adjustment and installation
- Other functions: heartbeat, PTZ control, alarm, reset button, mirror, etc.

Specification

Model Parameter	DS-2CD854FWD-E(W)
	3 Megapixel CMOS WDR ICR Network Box Camera
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.1 Lux @ (F1.2, AGC ON) B/W: 0.01 Lux @ (F1.2, AGC ON)
Shutter Speed	1/25 s to 1/100,000 s
Lens Mount	C/CS mount
Auto-iris	DC drive
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	120dB

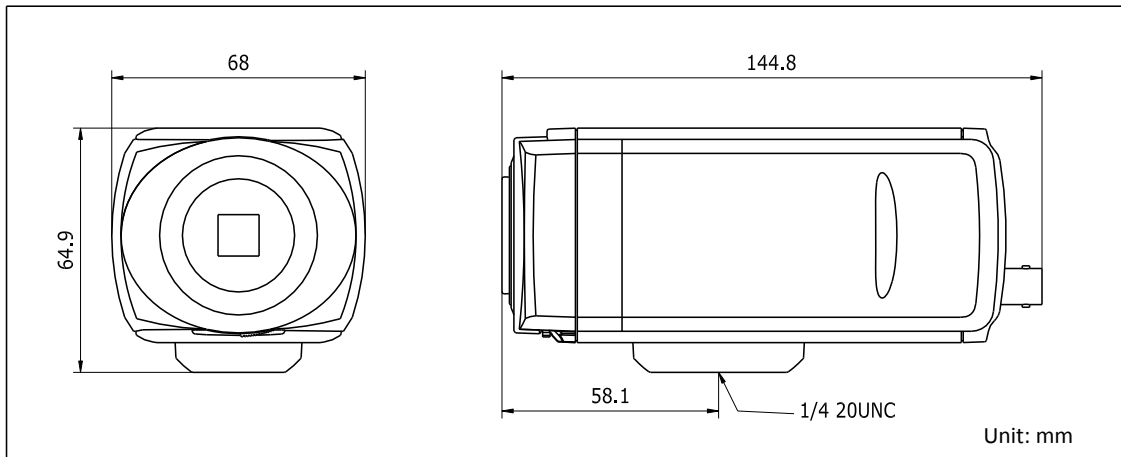| Digital Noise Reduction	3D DNR
Compression Standard	
Video Compression	H.264/MPEG4/MJPEG
Bit Rate	32 Kbps - 16 Mbps
Audio Compression	G.711/G.726
Dual Stream	Yes
Image	
Max. Resolution	2048 × 1536
Frame Rate	50Hz: 12.5fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720) 60Hz: 15 fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)
Image Settings	Saturation, Brightness, Contrast adjustable by client software or web browser
Network	
Network Storage	NAS (iSCSI optional)
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect , IP address conflict, Storage exception
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, FTP, 802.1x, QoS, HTTPS (SIP,SRTP,IPv6 optional)
Security	User Authentication, Watermark, Password Protection, Heartbeat
Standard	ONVIF, PSIA, CGI
Interface	
Audio Input	1-ch 3.5 mm audio interface, MIC IN/Line IN
Audio Output	1-ch 3.5 mm audio interface (Line level, 600 Ω)
Communication Interface	1 RJ45 10M/100M Ethernet port and 1 RS-485 interface
Alarm Input	1
Alarm Output	1
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in SD/SDHC slot, up to 32 GB
Reset Button	Yes
General	
Operating Conditions	-10 °C – 60 °C (14 °F – 140 °F) Humidity 90% or less (non-condensing)
Power Supply	12 V DC ± 10% PoE (802.3af)
Power Consumption	Max. 5.5 W (Max. 8.5 W with IR cut filter on) -W: Max. 7 W (Max. 10 W with IR cut filter on)
Dimensions	68 × 64.9 × 144.8 mm (2.68" × 2.56" × 5.70")

Weight	500 g (1.10 lbs)

* "-W" series support Wi-Fi (802.11b/g/n)

Order Models

DS-2CD854FWD-E, DS-2CD854FWD-EW

Dimensions

Accessories

Indoor wall mount
DS-1212ZJ

Indoor/Outdoor Wall Mount
DS-1213ZJ

Indoor/Outdoor camera housing
DS-1311HZ (DS-1312HZ, DS-1313HZ)

Indoor camera housing
DS-1320HZ