

AVerDiGi DF2200W Wireless IP Cam Specifications

Introduction

AVerDiGi DF2200W is AVerMedia Security Wireless IP Network Camera for professional markets. It comes with a high quality Sony CCD progressive sensor and supports CS-Mount type optical lens. The camera provides MPEG-4 Simple Profile streams.



Major Features

- High quality Sony ICX098BQ Progressive CCD image sensor at VGA resolution.
- Provide MPEG4 Simple Profile video streams (up to 30fps).
- Streaming resolution at VGA (640x480), QVGA (320x240) and QQVGA (160x120).
- 802.11g/b wireless model and 10/100 Base TX Ethernet with Auto-MIDX
- Support Wireless Provisioning Services (WPS) mode.
- Hardware 128-bit AES and 64-bit DES/3DES data encryption.
- Support dual directions voice (G.726 at 8K sampling rate and 16K bit rate) in full duplex.
- Support IR-cut filter to get better video quality.
- Support IP filtering for accessing control.
- Support DSCP tag for Ethernet QoS for video/audio streaming.
- Support WMM for wireless QoS (802.11e QoS).
- Support several encryption methods in wireless (WEP, WPA, WPA2).
- Support Motion Detection by analyzing the video stream.
- Support I/O ports for external signal detecting and accessing.
- Support SYSLOG server for remote log server to log messages.

Hardware Specifications

Feature	Description
System & Network	
CPU	ARM9 190MHz
DSP	Hardwire MPEG-4 SP Encoders
Flash ROM	4 Mbytes
SDRAM	32 Mbytes
LAN	DM9102D, 10/100BaseT, Auto-MDIX,
Audio Codec	Realtek ALC203
Wireless Module	RaLink RL2661 MIMO XR Wireless module

Built-in Microphone	6mm, – 40 db + 3db	
Indicators	Ready	Amber
	Network	Green
	Active	Green
Connectors	Ethernet, RJ45 connector	
	Microphone Input, 3.5mm Phone Jack	
	Speakers Output, 3.5 mm Phone Jack	
	Power Jack, 2.1mm Phone Jack	
	Reset Button, Tack switch	
I/O Ports	Input Control x 2 (2 pins)	
	Output Control x 2 (2 pins)	
	Power x 2 (VCC + Ground, 4 pins)	
Power Consumption	10W	
Power Adapter	External Power Adapter: 12V/1A, 110~120 VAC/60Hz, Switching	
Optical		
Image Sensor	Sony ICX098BQ 1/4" CCD Sensor, VGA 640×480, Digital Interface Effective Pixels 656x494 (330K pixels)	
Lens	CS/M Type, Fixed Focus, F1.6, 5 Layers Glass,	
IR Filter Switcher	Motorized Switcher, manual trigger or Scheduled	
Mechanism		
Housing Structure	Aluminum and Die-casting panels	
Dimension	81mm (W) x 50mm (H) x 130mm (L) (subject to change)	
Environmental Conditions		
Working Environment	Temperature: 0°C ~ 40°C	
	Humidity: 10% ~ 80%	
Storage Environment	Temperature: -20°C ~ 70°C	
	Humidity: 0% ~ 90%	

LED Status

LED	Color	Activity	Actions
READY	Green	Off	Camera is Powered Off
		On	Camera is Powered On
		Blink	Camera is booting
ACTIVE	Green	Off	Camera is not capturing video
		Blink	Camera is capturing video
NETWORK	Green	Off	Ethernet Connection not detected
		On	Ethernet Connection is detected
		Blink	Sending/Receiving Data

Software Specifications

Software Features	
Video	
Video Compression	<ul style="list-style-type: none">• MPEG4
Resolution	<ul style="list-style-type: none">• 640x480 (VGA)• 320x240 (QVGA, system default)• 160x120 (QQVGA)
Video Controls	<ul style="list-style-type: none">• Auto-White-Balance• Auto- Exposure
Audio	
Audio Compression	G.726, G.726 (a-law & u-law)
Sampling Rate	8 KHz
Default Bit Rate	16 Kbps

p.s., The audio upload (for speaker out) only supports G.726 compression method.

Power Adapter

12V/1A, universal type switching power supply with 90°, 2.1mm Connector. Regional variations will be available, supporting 100V/60Hz, 120V/60Hz, and 240V/50Hz with connectors for North America, UK, continental Europe, and Australia. The supply must have the following regional safety approvals:

Region	Standard	Compliant
North America Model	cUL (UL 1950)	Yes
European Model	CE mark, EN60950 (2001)	Yes
Japanese Model	T-Mark	Yes