



User's manual

We test every lens, chip and
finished IP Camera

Orantek, With several years of experience in the security products industry, we are well equipped to meet your needs. All the high-quality components allow us to create durable indoor IP Camera, outdoor IP66-rated IP camera and IP video server.

Orantek, You'll also benefit from fast lead times. We can finish orders in a very short period. Quality is never compromised, as we have inspectors carrying out a six-stage QC process from incoming materials to finished products, all of which come with CE and FCC marks.

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Fixed Indoor Network Camera MD221

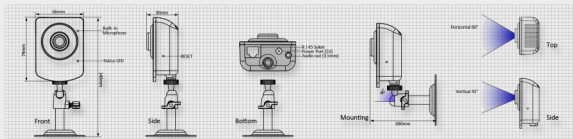


global resources
Verified Supplier

- Simultaneous High-Speed MPEG-4 and Motion JPEG
- Simultaneous HTTP and RTSP streaming
- High Frame Rate
- 2 Way Audio Transmission
- Snapshot and Recording
- Motion Detection
- All-in-One Network Camera
- Easy Installation
- Multi-Client Access
- Authentication



Dimensions



Specification

CAMERA

• Image device	1/4" CMOS
• Pixels	310000
• White Balance	Auto
• Exposure mode	Auto
• Gain	Auto
• Viewing angle	Horizontal:60°, Vertical:45.0°
• Focal length	f=3.6mm
• Aperture	F2.0
• Min.Illumination	1.0 Lux

GENERAL

• Power requirements	DC 5V
• Power consumption	1.5W
• Operating temperature	-5 to +45 °C (+22 to +113 °F)
• Storage temperature	-20 to +60 °C (-4 to +140 °F)
• Operating humidity	20~80%RH(Non-condensing)
• Storage humidity	20~95%RH(Non-condensing)
• Dimensions(W x D x H)	65mm x 56mm x 29mm
• Weight	100g(Main Body)
• Supplied accessories	AC adaptor (x1), CD-ROM(x1) Stand(x1), CAT5 cable(x1)

SYSTEM REQUIREMENTS

• Support operating systems:	Windows XP/Vista/7, MAC OS, Linux, Android, iPhone OS, Windows Mobile, BlackBerry OS
• Support Web browser:	Microsoft IE, Safari, Mozilla Firefox, Google Chrome and most other browsers

NETWORK

• Image compression	MPEG-4, MJPEG
• Image resolution	640x480(VGA), 320x240(QVGA), 160x120(QQVGA)
• Max. frame rate	30fps @640x480
• Audio compression	G.726 (40/32/24/16Kbps), AMR
• 2 way audio	Yes
• Built-in microphone	Electret Condenser Microphone
• Simultaneous viewers	16
• Authentication	ID/Password, Administrator/General User (Up to 64)
• Network protocols	TCP,UDP,IP,ARP,ICMP, DHCP,DNS,HTTP,FTP,SMTP, NTP,PPPoE,UPnP,DDNS
• Stream type	HTTP, RTSP/RTP/RTCP, 3GPP
• Network connection	Ethernet (10BASE-T/100BASE-TX)

POWER

FCC Information and Copyright

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates,

uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference

to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does

cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is

encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.