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MPEG-4 Weatherproof IP Camera

Weatherproof IP Camera with IR (Indoor/Outdoor)



iCanView282 is a weatherproof IP camera with built-in IR LED. Select either Dual CCD (minimum illumination : 0.003lux) or E-module (minimum illumination : 0.00004lux) as the built-in camera module.

Simultaneous dual streaming will allow uninterrupted high quality service while providing service through low speed network. You can also connect to iCanView282 with your 3G mobile phone. (via 3G server). 2 way audio communication as well as full motion video are available on this 3G mobile service. (Ask iCanTek for more details.)

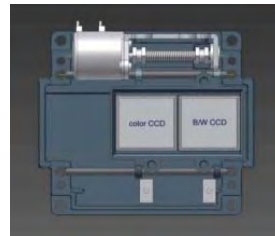
3 axis bracket and junction box will ensure convenience in the installation. Various camera modules are offered considering various installation conditions. (282DC, 282DC+, 282E, 282E+)



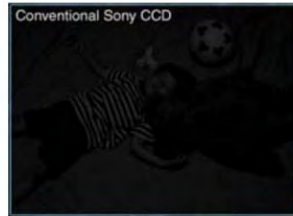
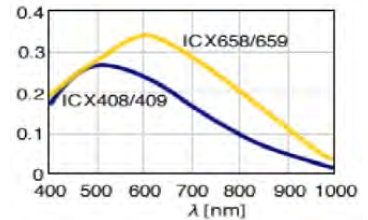
Key Features

- High-performance camera module
 - Dual CCD : 540/600TV Line (Color/BW)
 - E- module: 580/700TV Line (Color/B/W)
- Superior low light sensitivity
 - Dual CCD : 0.003Lux (IR LED off)
 - E-module : 0.00004Lux (IR LED off, Sense-up)
- Dual streaming : MPEG4 + JPEG (for mobile)
- 2-way audio communication
- 3G mobile A/V surveillance (through 3G server)
- Analog CVBS output
- 3-axis bracket, embedded junction box
- Waterproof (IP66), built-in cooling fan
- Optional items
 - Flash memory for local storage, Long range WiFi, DC power adaptor, Heater

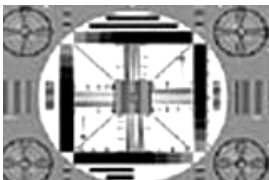
Dual CCD



Sensitivity comparison



Powerful E-Module



580TVLine



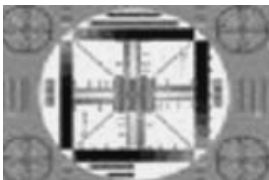
High Light Compensation



Noise Reduction



Color Privacy Zone



Specifications

Video Part	
Compression method	MPEG4
Resolution	-NTSC : 720x480(full D1), 720x240(half D1), 320x240(CIF), 176x144(QCIF) -PAL/SECAM : 720x576(D1), 720x288(half D1), 352x288(CIF), 176x144(QCIF)
Number of frames/sec	In max resolution -Up to 30 frames (NTSC) -Up to 25frames(PAL)
Video output	1ch CVBS output
Motion detection	3 regions
Interpolation	Support both interpolation and interface

Audio Part	
Compression method	-ADPCM (IP Camera→Client PC) -PCM (Client PC→IP Camera)
2-way communication	Supported
Audio input/output	1ch(from Microphone or audio device) /1ch(to speaker)

Network	
Access Network	100Base-T, xDSL Modem, Cable Modem, Leased line, Optic Fiber
Protocols	IPv4, TCP/IP, ARP, ICMP, HTTP, SMTP, FTP, DHCP, RTP, RTSP, SDP, PPPoE
Security	User ID & Password protection, IP address filtering
Dynamic IP	Supported (through iCanTek's management server)

Installation	
WiFi	External WiFi transmitter can be used

General	
Alarm Input / Output	1 Sensor input / 1 Relay output
Alarm Notification	Email (video file), FTP server (for alarm video file)
Dual Streaming	MPEG4 + JPEG (for mobile)
IBRC	Intelligent bit rate control
3G mobile	Support (ask U] ǝ ǝǝǝ } for detail)
Local storage	Supported (optional)

Client Software	
iNVR	16ch
NVR-Pro / iCMS	64ch / 64ch
PDA viewer / Mobile viewer	4ch / 1ch

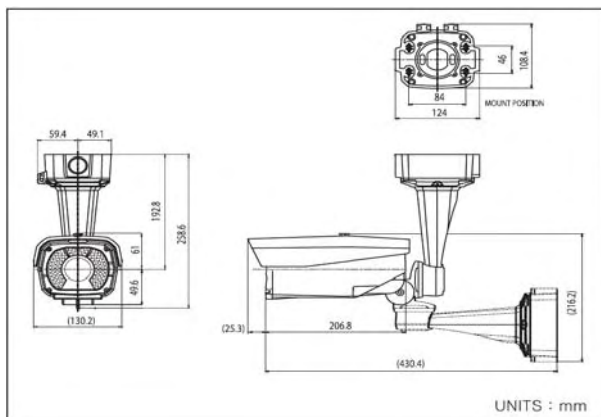
Operating Environment, Power, Dimensions	
Operating Temperature	-Without heater : -10°C ~ 50°C(14°F ~ 122°F) -With heater : -40 °C ~50°C (-40°F~122°F)
Operating Humidity	8~80% RH
Power	12VDC , 1.3A / 3A with heater
Dimensions (W x H x D)	-130mm(5")x259mm(10")x430mm(17")(including bracket) -130mm(5")x107mm(4")x238mm(9") (camera only)
Weight	2.98kg (6.57Lbs)
Casing	AL, silver
Approvals	FCC, CE, MIC, RoHS
Package information	IP Camera, CD (User's guide, Software...), Accessories for installation

Optional Items	
Flash Memory	2/4/8/16GB, for local storage
Heater	Model name : iCanView282H
DC Power adaptor	12VDC, 3.3A
WiFi	Long range WiFi base station, wireless client Bridge



Dimensions

mm



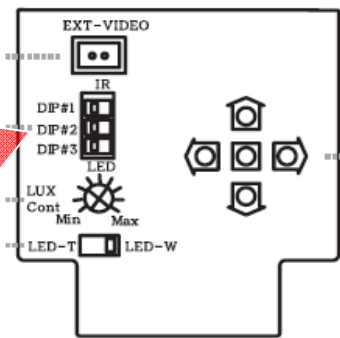
Client Software



Camera Module (282DC/DC+)	
Image sensor	Sony - 1/3 Inch – SUPER HAD CCD for color and Ex-view CCD for B/W
Effective pixels (H xV)	NTSC : 768 x 494/PAL : 752 x 582
Minimum illumination (40IRE)	0.003Lux (F1.2) : IR LED off 0.00Lux (0~40m) : IR LED on
Horizontal resolution	Color : 540TV lines, B/W : 600TV lines
Scanning	2:1 interlace
Shutter speed	- NTSC : 1/60 ~ 1/100,000sec - PAL : 1/50 ~ 1/100,000sec
Sync. System	Internal sync
S/N ratio	More than 48 [dB] / AGC Off
White balance	ATW/AWB/Manual/Fixed
Gamma	User setting 0.1~1.0 (Default r=0.45)
Lens	Dual CCD - Vari-focal 3.5 ~ 16mm (iCanView282DC) - Vari-focal 9.0mm ~ 22.0mm (iCanView282DC+)

Camera Module (282E/E+)	
Image sensor	Sony 1/3" super HAD CCD (ICX638, 639)
Effective pixels (H xV)	NTSC : 768 x 494/PAL : 752 x 582
Minimum illumination (40IRE)	0.00004lux (F : 1.2) : IR LED Off, 256x Sense-up
Horizontal resolution	Color : 580TV Line, B/W : 700TV Line
Scanning	2 : 1 interlace
Shutter speed	- NTSC : 1/60 ~ 1/120,000sec - PAL : 1/50 ~ 1/120,000sec
Gain level control	Low/High/Off
S/N ratio	More than 52dB (AGC Off)
White balance	ATW/AWC/Manual/Outdoor/Indoor
Sense-up	Auto/Fixed/Off (X2 ~ X256), Digital zoom10x
DNR (Digital Noise Reduction)	OFF/ON (1~32 level adjustability)
IR LED	IR LED : 70EA, Visible range (IR LE D: 50/60m, Object : 30m, Human face : 10m)
Lens	E-Module - Vari-focal 3.5 ~ 16mm (iCanView282E) - Vari-focal 6 ~ 50mm (iCanView282E+)

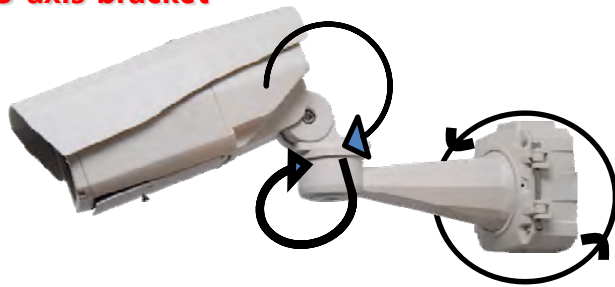
Useful IR Control Panel



IR control panel

3-Axis Bracket & Junction Box for Convenient

3-axis bracket



Embedded junction box

