

## DS-2DF1-616H/606H 30X IP Speed Dome(Indoor/Outdoor)



### Camera

Image Sensor 1/4 inch Interline Transfer CCD  
Effective Pixels PAL: 752 (H)×582 (V)  
NTSC: 768 (H)×494 (V)  
Horizontal Resolution 540(Color) 570(B/W)  
Signal System NTSC / PAL  
Min. Illumination 0.8Lux / F1.4 (Color)  
0.04Lux / F1.4 (B/W)  
White Balance ATW / Manual  
AGC Auto / Manual  
S/N Ratio Better than 50dB  
BLC ON / OFF  
Electronic Shutter N: 1/60~1/10,000s (16 steps),  
P: 1/50~1/10,000s (16 steps)  
Day & Night ICR  
Digital Zoom Up to 16x  
Privacy Blank Up to 4 zones masked simultaneously in one image  
Auto Focus Auto / Manual

### Lens

Focal Length 3.5-105mm, 30x zoom  
Zoom Speed Approx. 4.1sec (Optical WIDE-TELE )  
Angular of View 58 degree (WIDE end) to 2.2 degree (TELE end)  
Min. Working Distance 1000mm  
Aperture Range F1.6-F4.5

### Pan and Tilt

Pan Range 360° endless  
Pan Speed Manual: approx. 0.3°/s-160°/s or 0.3°/s-220°/s, 0.3°/s-300°/s,  
Programmable in Menu  
Preset: up to approx. 400°/s  
Tilt Range 0°~90° (Auto flip)  
Tilt Speed Manual: approx. 0.5°/s-40°/s or 0.5°/s-60°/s, 0.5°/s-90°/s, Programmable in  
Menu  
Preset: up to approx. 150°/s  
Proportional Pan/Tilt Control YES  
Number of Presets 200  
Auto Modes OFF / Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan  
Patrols 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8  
Patterns 1 / 2 / 3 / 4

Freeze Frame Freeze Frame during Preset (Just for DS-2DF1-616 / 606X)  
Auto Flip YES  
Parameter Restore Go to the speed dome last status after reboot  
Park Actions Start to Call Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan, after a Defined Time of Inactivity  
PTZ Position Display ON / OFF

### Network

Ethernet 10Base-T / 100Base-TX, RJ45 connector (Fiber Connector Option)  
Image Resolution PAL: 704×576, NTSC: 704×480  
Frame Rate 25fps (704×576), 30fps (704×480)  
Image Compression H.264  
Audio Compression OggVorbis / 16kbps  
Audio Mode OFF / Audio input / Audio output  
Protocols TCP/IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)  
No. of Simultaneous Users Up to 6 users  
Dual Streams Support dual streams simultaneously  
Mini SD Memory Card Manual REC / Alarm REC.  
Compatible SDHC Standard Cards  
User/Host Level3 Levels: Administrator, Camera control, Live only  
Security Measures User authentication (ID and PW),  
Host authentication (MAC address)

### Client GUI

Camera Control Pan / Tilt, Zoom, Focus, Click centering, Drag zoom, Iris, Preset position call and program, Auto mode.  
Camera Title Up to 18 characters  
Clock Display Time: Week: Date, 6 formats on the Client

### Alarm

Alarm Input 2 channels inputs, priority is configurable  
Alarm Output 2 channels relay outputs, alarm linkage is configurable  
Alarm Actions Preset 1 ~ 200, Patrol 1 ~ 8, Pattern 1 ~ 4, SD card recording, Terminal output, Notification on Client.

### Input/ Output

Monitor Output 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC  
Microphone Input Mic. In (Applicable microphone; Plug-in power type)  
2-2.4V[p-p], Input impedance: 1KΩ±10%  
Audio Output Audio out, Line level

### General

Menu Language English, Chinese  
RS-485 Protocols HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive  
Power Supply 24VAC (12VDC option)  
Power Consumption 30W max (Heater ON)  
Working Temperature / Humidity -30°C ~ 60°C (outdoor) / -10°C ~ 50°C (indoor)  
90% or less (without condensation)  
Water and Dust Resistance IP66 standard compatible (Just for Outdoor dome)  
TVS 3000V/limited lightning protection  
Dimensions 6 inch, Φ243 (mm)×287 (mm)  
Weight (approx.) 5kg