

Title:	Pro vs. Smart vs. Fisheye vs. Value Series IPC Comparison Chart	Version:	1.0	Date:	
Product:	Hikvision Smart, Fisheye, and Value Series IPCs				
Action Required:	None, Information Only				

Pro vs. Smart vs. Fisheye vs. Value Series IPC Comparison Chart

Functionality	Details	Pro Series DS-2CD7XX DS-2CD72XX DS-2CD8XX DS-2CD82XX	Smart Series DS-2CD4XX2 DS-2CD4XX4 DS-2CD6412	Smart Series DS-2CD4XX5	Fisheye DS-2CD6362FWD-I(V)(S) DS-2CD6362F-I(V)(S)	Value Series DS-2CD2XXX
Main Stream	Main stream	✓	✓	✓	✓	✓
Sub Stream	Sub stream	✓	✓	✓	✓	✓
Third Stream	Third stream	✗	✓	✓	✗	✗
Accessing (View) Channels	Channel number accessing (viewing stream)	6	20	20	20	6
Output Bandwidth	Total Output Bandwidth		60 Mbps	200 Mbps	220 Mbps	20 Mbps
Video Bit Rate	Video Bit Rate Range		32 Kbps – 16 Mbps			32 Kbps – 12 Mbps
H.264 Encoding	H.264 encoding	✓	✓	✓	✓	✓
	High Profile	✓	✓	✓	✓	✗
	Main Profile	✓	✓	✓	✓	✓
	Basic Profile	✓	✓	✓	✓	✗
MPEG4 Encoding	MPEG4 encoding	✓	✓	✗	✗	✗
MJPEG	MJPEG (Sub stream only)	✓	✓	✓	✓	✓
Audio Encoding ¹	G.711/G.726	✓	✓	✓	✓	✓
	MP2L2	✗	✓	✓	✓	✓
	G.722.1	✗	✓	✓	✗	✓
Third-Party Access	ONVIF, PSIA, CGI, ISAPI	Not Support ISAPI	✓	✓	✓	✓
Maximum Resolution	Maximum Resolution	5 MP	3 MP	12 MP	6 MP	3 MP
AGC	Auto Gain Control	✓	✓	✓	✓	✓
Day/Night Separate Parameters	Separate Image Parameters for Day/Night	✓	✓	✓	✗	✓
Image Overlay	Image Overlay	✗	✓	✓	✗	✗

Note 1: 'S' model only.

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Text Overlay	Text overlay	✓	✓	✓	✗	✓
HLC	High light compensation	✗	◆	✓	✗	✗
BLC	Backlight compensation	✓	✓	✓	✓	✓
WDR	120 dB wide dynamic range	✗	✓	✓	✓	DWDR
MicroSD Card	Up to 128 GB SD card	32 GB	✓	✓	✓	◆
NAS	NAS (Support NFS, SMB/CIFS)	✓	✓	✓	✓	✓
PoE	Power over Ethernet	✓	✓	✓	✓	✓
Mirror	Mirror	✓	✓	✓	✗	✓
Rotate Mode	Rotate Mode	✓	✓	✓	✗	✓
Low Shutter	As slow as 1/3 s or 1 s slow shutter	✗	◆	✓	✗	✓
EIS	Electric image stabilization	✗	✓	✗	✗	✗
DNR	Digital Noise Reduction	✓	✓	✓	✓	✓
Security	IP address filtering	✓	✓	✓	✓	✓
Defog	Defog	✗	✓	✓	✗	✗
Detection	Motion detection	✓	✓	✓	✓	✓
	Tamper alarm	✓	✓	✓	✓	✓
	Line crossing detection	✗	✓	✓	✓	✓
	Intrusion detection	✗	✓	✓	✓	✓
	Audio exception	✗	✓	✓	✗	✗
	Face detection	✗	✓	✓	✗	✗
	Defocus detection	✗	✓	✓	✗	✗
VCA	VCA	✗	✓	✓	✓	✓
Edge recording	edge recording	✓	✓	✓	✓	✓
Day/Night	IR auto switch with color/black image	✓	Not for DS- 2CD6412	✓	✓	✓
Two-Way Audio	Two-way audio	✓	'S' model only	'S' model only	✓	'S' model only

▼ Not applicable to all models

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Privacy Mask	Zone configuration	4	4	4	4	4
Tamperproof	Zone configuration	✓	✓	✓	✓	✓
Exception Detection	Network disconnected	✓	✓	✓	✓	✓
	IP address conflicted	✓	✓	✓	✓	✓
	Illegal login	✓	✓	✓	✓	✓
Basic Security	Reset button , Downgrade-prevention, heartbeat, password protection, watermark ¹ , IP address filtering, Anonymous access	✓	✓	✓	✓	✓
Protocol Supportable	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6	✓	✓	✓	✓	✓
Alarm I/O	Alarm I/O configuration	✓	✓	✓	✓	✓
	Receiving linked alarm	✓	✓	✓	✓	✓
Newer Technology	Low bit rate	✗	✓	✓	✓	✓
	ROI	✗	4 regions	2 regions	4 regions	1 region
	P-Iris	✗			✗	✗
	ABF	✗			✗	✗
Recording Stream	Main stream	✓	✓	✓	✓	✓
	Sub stream	✓	✓	✓	✓	✓
	Third stream	✗	✓	✓	✗	✗
Angle of View: 360°	Angle of view: 360°	✗	✗	✗	✓	✗

Not applicable to all models.

Note 1: Shows on recording only.