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		60Mbps	200Mbps	220Mbps	20Mbps
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	✓	✓	✓	✓
Max. Resolution	Max. Resolution	5MP	3MP	12MP	6MP	3MP
AGC	Auto Gain Control	✓	✓	✓	✓	✓
Day & Night separate Parameters	separate Image Parameters for Day & Night	✓	✓	✓	✗	✓
Image Overlay	Image Overlay	✗	✓	✓	✗	✗

Note 1: 'S' model only.

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
Text Overlay	Text Overlay	✓	✓	✓	✗	✓
HLC	High light compensation	✗	♦	✓	✗	✗
BLC	Back light compensation	✓	✓	✓	✓	✓
WDR	120dB wide dynamic range	✗	✓	✓	✓	DWDR
Micro SD card	Up to 128GB SD card	32GB	✓	✓	✓	♦
NAS	NAS (Support NFS, SMB/CIFS)	✓	✓	✓	✓	✓
PoE	Power over ethernet	✓	✓	✓	✓	✓
Mirror	Mirror	✓	✓	✓	✗	✓
Rotate Mode	Rotate Mode	✓	✓	✓	✗	✓
Low shutter	As slow as 1/3s or 1s 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 apply to all models

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
Privacy Mask	Zone configuration	4	4	4	4	4
Tamper-proof	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 inked alarm	✓	✓	✓	✓	✓
Newer technology	Low bit rate	✗	✓	✓	✓	✓
	ROI	✗	4 regions	2 regions	4 regions	1 region
	P-Iris	✗	♦	♦	✗	✗
	ABF	✗	♦	♦	✗	✗
Recording stream	Main stream	✓	✓	✓	✓	✓
	Sub stream	✓	✓	✓	✓	✓
	3rd stream	✗	✓	✓	✗	✗
Angle of view: 360°	Angle of view: 360°	✗	✗	✗	✓	✗

♦: Not apply to all models.
Note 1: Shows on recording only.