









H.264/H.265 NVR comparison

		NVR 12c	NVR 12	NVR 12cS	NVR 12S
					
Channels, bandwidth & resolution	Max. IP channels	4	8/16	4	8/16
	Total bandwidth available inward (Mbps)	40	80/160	40	80/160
	Real-time recording	4 MP	4 MP	4 MP	4 MP
	Max. supported resolution	8 MP (4K)	8 MP (4K)	8 MP (4K)	8 MP (4K)
	HD recording per channel	25/30 fps	25/30 fps	25/30 fps	25/30 fps
PoE	PoE ports	—	—	4	8/16
	Total PoE budget	—	—	50W	80/150W
	Maximum budget for 1 port	—	—	30W	30W
	PoE-af	—	—	•	•
	PoE-at	—	—	•	•
Network & streaming	Plug-and-play IP configuration	—	—	•	•
	ONVIF camera support (Profile S)	•	•	•	•
	Network interface type	RJ-45 10/100 Mbps	RJ-45 10/100/1000 Mbps	RJ-45 10/100 Mbps	RJ-45 10/100/1000 Mbps
	UltraSync	•	•	•	•
	ezDDNS	•	•	•	•
	Maximum outgoing streams	live: 128 playback: 8	live: 128/128 playback: 16/32	live: 128 playback: 8	live: 128/128 playback: 16/32
	Maximum outgoing bandwidth (Mbps)	80	80	80	80
Storage	Max. storage (TB)	2	4/6	2	4/6
	Dual stream recording	—	•	—	•
	NAS support	•	•	•	•
Local viewing & controls	HDMI (max. 4K resolution)	•	•	•	•
	VGA	•	•	•	•
	Keypad support	TVK-600	TVK-600	TVK-600	TVK-600
	USB slots	2	2	2	2
General features	Smart codec support	H.265+	H.265+	H.265+	H.265+
	CD/DVD burner support	via USB	via USB	via USB	via USB
	Alarm I/O	4 in / 1 out	4 in / 1 out	4 in / 1 out	4 in / 1 out
	Rack mountable	—	•	—	•
Software support	TruVision Navigator	•	•	•	•
	TVRmobile	•	•	•	•
	OnGuard®	Pending	Pending	Pending	Pending
	Advisor Manager	Pending	Pending	Pending	Pending

H.264/H.265 NVR comparison

		NVR 22	NVR 22S	NVR 22Plus	NVR 71
					
Channels, bandwidth & resolution	Max. IP channels	8/16/32	8/16	16/32/64	128
	Total bandwidth available inward (Mbps)	80 / 160	80 / 160	256/320/320	576
	Average bandwidth per channel (Mbps) inward	5	5	5	4
	Real-time recording	Full HD	Full HD	Full HD	Full HD
	Max. supported resolution	8 MP (4K)	8 MP (4K)	8 MP (4K)	8 MP (4K)
	HD recording per channel	25/30 fps	25/30 fps	25/30 fps	25/30 fps
PoE	PoE ports	—	8 / 16	—	—
	Total PoE budget	—	120/200W	—	—
	Maximum budget for 1 port	—	Auto-PoE	—	—
	Average budget per port	—	30W	—	—
	PoE-af	—	•	—	—
	PoE-at	—	•	—	—
Network & streaming	Plug-and-play IP configuration	—	•	—	—
	ONVIF support	•	•	•	•
	PSIA support	•	•	•	—
	Gigabit ethernet (RJ45/SFP) ports	2 / 0	1 / 0	2 / 0	4 / 4
	Redundant NIC ports	•	—	•	•
	Load balancing	•	—	•	•
	ezDDNS	•	•	•	•
	Maximum outgoing streams	128	128	128	256
	Maximum outgoing bandwidth (Mbps)	256/256/256 Mbps	256/256 Mbps	256/256/256 Mbps	512 Mbps
Storage	Max. storage (TB)	24	24	16 ch. : 48 32/64 ch. : 64	96 (RAID and Non-RAID)
	Front side accessible HDDs	•	•	•	•
	Expandable internal storage	•	•	•	•
	Dual stream recording	•	•	•	•
	Hot spare backup/recovery	•	•	•	•
	HDD redundancy	•	•	•	•
	RAID support (requires RAID HDDs)	—	—	0/1/5/6/10	0/1/5/6/10
	NAS and eSATA support	•	•	•	•
Local viewing & controls	Front panel controls	•	•	•	—
	HDMI	1	1	2	—
	VGA	1	1	2	—
	BNC output	•	•	•	—
	Keypad support	TVK-800	TVK-800	TVK-800	—
	USB slots	3	3	3	4
General features	Text insertion	•	•	•	—
	CD/DVD burner	via USB	via USB	via USB	via USB
	Reverse playback	•	•	•	•
	Alarm I/O	16/4	16/4	16/4	16/8
	Rack mountable	•	•	•	•
Redundant Power Supplies	—	—	—	•	
Software support	TruVision Navigator	•	•	•	•
	TVRmobile	•	•	•	•
	OnGuard®	As of 7.2 w / recorder pack 1.0.2	As of 7.2 w / recorder pack 1.0.2	As of 7.2 w / recorder pack 1.0.2	As of 7.4 w / recorder pack 1.0.4
	TruPortal™	V.1.72.100	V.1.72.100	V.1.72.100	V.1.72.100
	Advisor Manager	As of v. 2016	As of v. 2016	As of v. 2016	As of v. 2017