

CCTV TECHNOLOGIES COMPARED

	SD-CCTV	HD-SDI CCTV	IP-CCTV
Type	(Standard Definition)	(High Definition)	(Ultra High Definition)
Resolution	0.3MP	1 ~ 2MP	1.3MP (Entry standard)
	700 TVL	1080p	Up to 29MP
Cable	RG59	RG59 (legacy)	CAT5e/ CAT6
Maximum Length	CAT5e 400m (with Passive baluns)	As quality of legacy RG59 may vary, a trial is recommended to determine maximum length	90m
	RG59 up to 300m	High bandwidth cable* RG59 - 93m, RG6 - 113m, RG11 - 177m	Use Media Converters or Network Switches to extend range
	CAT5e 1800m (with Active baluns) or 20km via Fiber Media Converter	Use repeaters to extend range to 1km	
Connected to Network	DVR	DVR	DVR and all IP Cameras
Cost	Low	Medium	High
Future Development	None	Yes	Yes