

PRODUCT BROCHURE

Network & Power

The network and power behind every camera.

AI CCTV & SMART SECURITY SPECIALIST - JOHOR BAHRU

Dr. CCTV designs, installs and maintains AI-powered CCTV, access control and smart security systems for homes, shops, offices and factories, with free site surveys and local after-sales support.

DR. CCTV
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OVERVIEW

What is PoE and why does CCTV use it?

QUICK ANSWER

PoE (Power over Ethernet) delivers electrical power and video data to an IP camera through a single network cable. It means fewer cables, no separate power outlet at each camera, cleaner installation and one UPS at the switch can back everything up.

KEY FEATURES

PoE switches

Managed and unmanaged switches sized for camera count and power budget.

Structured cabling

Cat6 runs, trunking, labelling and tidy patch panels.

Wi-Fi coverage

Reliable wireless for gates, outbuildings and staff devices.

UPS & surge protection

Keep recorders and switches running through brownouts.

Fibre & wireless links

Connect distant buildings and gates where cabling is impractical.

Rack & enclosure

Tidy wall or floor racks with lockable doors.

SPECIFICATIONS

Cable and PoE basics

Topic	Guideline
Max Ethernet run	About 100 m per segment; extend with switches, fibre or bridges
Recommended cable	Cat6 with copper conductors
PoE standards	802.3af (15.4 W), 802.3at (30 W), 802.3bt for high-power devices
Power budget	Switch PoE watts must exceed all connected devices combined
Backup	UPS sized for recorder, switch and cameras for [X] minutes

Indicative information. Final model selection follows your free site survey. Specifications vary by brand and model.

FREQUENTLY ASKED QUESTIONS

Can I use home Wi-Fi for CCTV?

Possible for light use, but wired PoE is far more reliable for 24/7 recording.

Will CCTV slow my internet?

Local recording uses your internal network; only remote viewing uses upload bandwidth.

Can you tidy messy cabling?

Yes. We re-route, label and rack existing cabling.

Book your free site survey

We map every camera position, explain the options in plain English and send a clear written quotation.

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