CS40

Powerful ANPR camera

▶ **All-integrated, running the engine inside the camera**

▶ **Easy to install**

▶ **PoE+ capability to reduce installation cost**

▶ **Video stream provided in real time (RTSP)**

▶ **Dry contact to directly control barrier**

The CS40 camera is optimised for the following applications:

▶ Parking
▶ Access Control
▶ Security

High Quality Imaging

The CS40 camera provides HD video for high-accuracy ANPR for parking, access control and security applications. The 2MP sensor provides detailed images of passing licence plates. The high resolution enables capture of the most challenging plates including those with half-height and stacked characters. It is available with 850nm illumination, which allows clear and crisp licence plate images to be produced 24-hours a day.

The camera is based on a powerful quad core 1.2GHz processing platform and uses Linux operating system for maximum stability and robustness.

On-board Jet Recognition Engine utilizing deep learning

All the HD video is processed inside the camera housing by the Jet Recognition Engine using our latest advances in deep learning, with no need to send high bandwidth video across the network to high-powered external process PCs. The integrated engine is supported full-time by our in-house development team.

JMS Software

When combined with the JMS software, users are able to experience a complete parking management and access control system. The system allows:

▶ Car park counting
▶ Automated access / Barrier control
▶ Alarm management
▶ Ticketing integration

PART NO. INFORMATION	DESCRIPTION
10759, ANPR Camera	3-6m range with IR
10758, ANPR Camera	6-10m range with IR
10757, ANPR Camera	10-15m range with IR
10719, JMS	ANPR Management Application software including 8 connection licences

TagMaster

LEARN FROM REALITY

License Plate Recognition

Recognition Distance	:	From 3m to 15m (based on model)
Coverage Width	:	Up to 4m
Recognition Engine	:	TagMaster Jet Recognition Engine - a Linux based embedded real-time AI
engine running		on a quad core Cortex A-9 processor @ 1.2GHz
Recognition Framerate	:	25 fps
Recognition Direction	:	Both (Front and rear)
Max Vehicle Speed	:	> 65km/h (40mph) (1/25th – 1/16,000th s)
Triggering	:	Free running (no trigger) – Software Trigger
Confidence Ratio	:	Yes
Recognition JPEG	:	Yes
Square Plate Formats Supported	:	Yes
Countries Supported	:	Europe and US
Other Data Supplied	:	Coordinates of plate, direction, country

Video and Illumination Features

Lighting	:	8 strong IR LEDs (850nm)
CMOS	:	HD 2MPixels 1/2.8" sensor
Compression	:	H.264 or MJPEG
Transport Protocol	:	RTSP (over http), TCP/IP and FTP
Available Settings	:	Framerate, bitrate, resolution, quality

Electrical Characteristics

Power Supply	:	24-48V DC, PoE+ IEEE 802.3at
Power Consumption	:	Average 15W, max 22W

Mechanical Characteristics

Weight	:	2.62 kg
Dimensions (LxWxH)	:	253x 198 x 95 mm
Material	:	Aluminium
Coating	:	Black, RAL 9005
Water & Dust Protection	:	IP66
Connectors	:	Amphenol RJ44, Amphenol 8-pin M12
Operating & Storage Temperature	:	-40°C to +60°C, 0%-95% Relative Humidity

Security, Environmental and Technical Certifications

Security	:	HTTPS
Photobiological Safety	:	IEC 62471
Homologation	:	IEC 62368-1, Electrical Safety General
		IEC 60950-22, Electrical Safety Outdoor
		EN 55022:2010, Emissions
		EN 55024:2010, Immunity
		IEC 60068-2-27 Ea, Shock
		IEC 60068-2-64 Fh, Vibration
		UL94 HB, Flammability
		2002/95/EC, 2011/65/EU, RoHS/RoHS2
Time Synchronization	:	NTP protocol

Data Input and Output

TCP/IP	:	Yes
HTTP	:	Yes
FTP	:	Yes
Ethernet	:	10/100Mbps Ethernet interface, PoE+
Output	:	1 relay dry contact
Other Protocols	:	REST, XML, JSON and other formats through templates

TagMaster

LEARN FROM REALITY

www.uk.tagmaster.com   sales.uk@tagmaster.com