The Sony XCI-NPR Camera breaks the technology barrier between Access Control and Automatic Number Plate Recognition, with an open door to CCTV, thus creating a link of added value like no other.

Sony continues to be on the edge of techno-communication with a highly integrated automatic number plate recognition (ANPR) camera that is the first to provide easy integration with existing access control systems. The Sony XCI-NPR uses the industry-standard Wiegand protocol, allowing, for example, manufacturers of Access Control Systems to quickly and cost-effectively add ANPR capability to their product lines.

Aimed primarily at applications within the corporate parking sector, the XCI-NPR is available as an OEM solution designed to transform an existing badge-reader type access control solution into a seamlessly integrated ANPR system that offers dramatically improved ease-of-use. It includes all of the hardware, software and interfaces that are required to integrate with bespoke or standard access control systems, eliminating the need for additional access control software and time-consuming systems integration effort.

The XCI-NPR integrates a Sony SmartCamera loaded with ANPR software, infra-red illumination source, lens and power supply unit, into a standard IP66-rated CCTV housing. Able to recognise number plates from up to 25 European countries, at a range of 4m to 16m, the XCI-NPR includes Ethernet, Serial and Wiegand interfaces that are commonly used in access control systems. It is designed for simple set-up, deployment and maintenance. Intended for 24/7 free-run recognition with no external trigger, the module provides wrong plate detection and notification. A browser-based utility is supplied for both initial configuration and on-going management while programmable relays and images of vehicles are available for CCTV integration.
### Specifications

#### Technical Features

**Image device**
- 1/3-type progressive scan IT monochrome CCD
- Effective resolution (H x V): 640 x 480 (VGA)
- Cell size (H x V): 7.4 x 7.4 µm
- Frame rate: Up to 60 fps (VGA)
- Electronic shutter: 1/60s to 1/10,000s (trigger mode)

**Processor**
- CPU: X86, AMD Geode GX533, 400MHz
- Operating System: Monta Vista Linux Professional edition 3.0

**Interfaces**
- Wiegand: 26 bits, 37 bits
- RS-232C
- Ethernet: 100Base-TX/10Base-T (Network protocols: TCP/IP (IPv4), HTTP , FTP)
- Monitor output: D-sub 15pin for multi scan monitor
- USB: Version 1.1
- Digital I/Os: 2 x Relays

**Power requirements**
- Voltage range: 115VAC to 230VAC
- Protection Overload: 110 ~ 180% rated output power. Protection type: Hiccup mode, recovers automatically after fault condition is removed
- Power consumption:
  - Typical: 7.5W
  - Maximal (including heater): 58W

**Dimensions**
- Range: 4 to 16m
- Infrared Lens: C-mount; Manual Zoom/Iris/Focus; 10-40mm
- Infrared Light: 850 nm
- Minimum illumination: 1 lx (f/1,4 +18 dB gain)
- Operating temperature: -20 to +60 °C (-4 to +122 °F)
- Storage temperature: -30 to +60 °C (-22 to +140 °F)
- Operating humidity: 20 to 80% non condensing
- Weight: 3.2 kg (3.65 kg with sunshield)
- Dimensions (W x H x D): 163 x 115 x 412 mm
- Dimensions with sunshield: 176 x 131 x 514 mm

**Regulation**
- EN61000-1, EN61000-3

**Housing**
- IP66 according to EN 60529 with cable glands
- Die-cast aluminium
- Sunshield in ABS
- Epoxypolyester powder painted colour RAL9002
- Stainless steel external screws
- 3 removable cable glands: 2xPG9 and 1xPG11
- Heater fan: 15°C +/- 3°C (59°F +/- 5°F), 22°C +/- 3°C (71°F +/- 5°F), consumption 40W max

**Software Features**
- Country: 25 countries; for more information, please contact us at zone@eu.sony.com
- Setup: Web Interface managed (login and password protection)
- ANPR Software: Proprietary Number Plate Recognition Software
- Analysis: Optimal technology combining the 3 analysis methods: Statistical, Neuronal, Optical
- Bad/Dirty Licence Plate: Programmable unique identifier sent when bad licence plate is detected
- Speed: Low speed vehicles (Access Control design) – up to 15 km/h (6fps)
- Interfaces: SDK for easy CCTV integration & SDK for easy Access Control integration
- Data transmission: Ethernet (10/100 MB/s), Wiegand 26 and 37 bits, RS232
- Scheduler: Programmable scheduler
- Images: 640 x 480 JPG image available through TCP/IP

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**Diagram**

- Side
- Front
- Without sunshield
- Bottom

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