



NEA PLUS HD

Advanced ANPR Cam

ANPR solutions

Mainly targeted to stop & go tolling, parking and access control systems, the NEA PLUS HD features a Power-over-Ethernet (POE) interface for minimizing the installation and maintenance time. New generation full HD sensor for reading reflective and non reflective plates.

Key features

- Full HD sensor for reading reflective and non reflective plates.
- B/W and color version.
- Extra compact size to ease the installation.
- Weather proof and vandal proof connectors.
- Working in stand alone or integrated with Espas 30 system or with access control software Smart Gate System.

How it works

Stand-alone: the cam uses a white list that can be managed via web interface. The barrier is opened by the camera relay ones if the recognized plate number is in the white list.

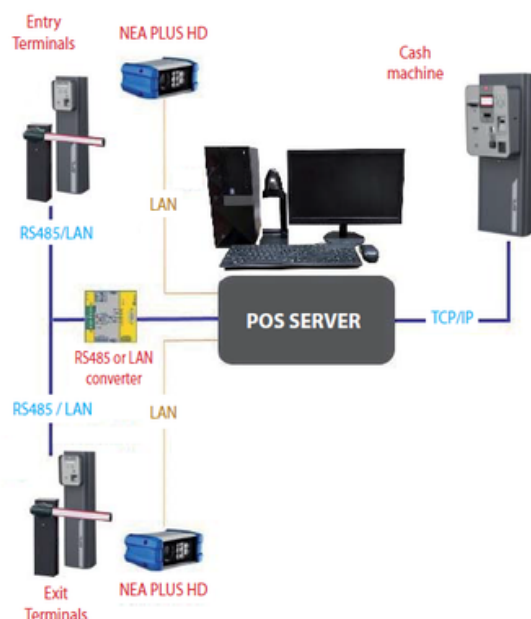
Smartgate: Web based software to implement access control system based on number plate reading. The white list and permissions are managed by the software, with the possibility to create temporary subscriptions. The access barrier is opened by the camera relay.

Aura 30 system Anpr: the cam is connected directly to Espas server. A centralizing software manages the Nea Plus HD and communicate with database and parking system software. Possibility to manage subscriptions and tickets with plate printing. Anti-theft mode by means of ticket and plate number association. Quick exit from parking without presenting the ticket on exit terminal.

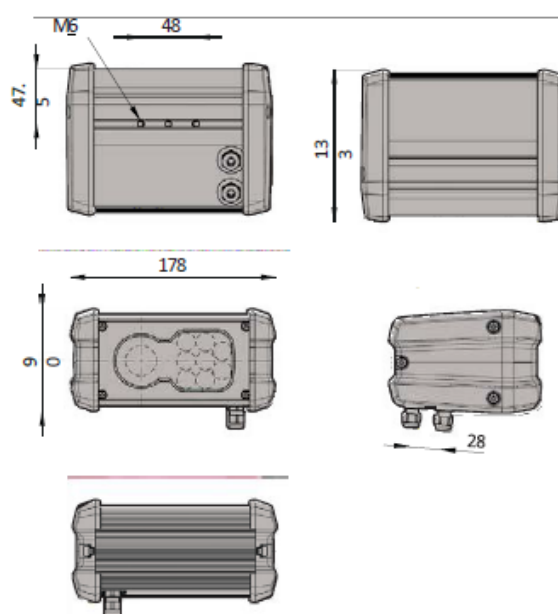


Software features and performance	
Lane coverage	1
Correct detection	99% typical
Correct reading	>95%
OCR type	ANPR engine on board
Acquisition speed	60 fps
Image compression	JPEG
Configuration	
Web Server	Installation and configuration by Web Server on board
TCP/IP	Configuration and monitoring through TCP/IP protocol, (SDK included)
Date and Hour	Synchronisation via NTP protocol, IEEE1588
Software Update	Upgrading via Web Interface and SDK
Data Transmission	
FTP	FTP Client to FTP server mode for remote data trans.; Multiple IP server addresses
TCP/IP	TCP/IP protocol; (SDK included)
Standard protocols	XML; SNMP; NTCIP; DATEX2; UTM; MODBUS
Serial Port	RS485
Operating Mode	
Freerun	Continuous processing with automatic vehicle detection
Triggered	Image capture and processing triggered by Ethernet command or digital signal
System	
ANPR camera	2 MPX B/W 2 MPX Color (Color Version)
Illuminator	8 high power InfraRed LEDs @ 850 nm
Lenses	Different focal lengths available. CS-Mount.
Operating System	Linux
Digital I/O	2 Optoisolated inputs – 2 Relay Outputs -1 Strobe output
Connectors	Vandal proof Safe Connector (included)
IP Protection	IP67
Ethernet	Gigabit Ethernet 10/100/1000
Storage	MicroSD 128 GB
WiFi	Yes (Easinstall)
Technical Datas	
Operating and Storage Temperature	-40° to +55° C (-40° to +131° F)
Operating and Storage Humidity	10% to 90% non condensing
Dimensions	178 x 90 x 133 mm / 7,0 x 3,5 x 5,2 in (h x l x p)
Weight	1,5 kg
Power supply voltage	24 VDC, PoE
Power consumption	13 W

Example of application with ESPAS 30 system



NEA PLUS HD Drawing (mm)



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