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CARRIDA CAM: world's smallest ALPR/ANPR stand-alone camera system withstands even rough environments

Vision Components introduce what is probably world's smallest stand-alone ALPR/ANPR camera system: the CARRIDA CAM. The tiny 88 x 58 x 36 mm smart camera is based on an ARM Cortex-A9 dual core processor with Linux OS and combines the features of CARRIDA Software Engine and the VC pro Z smart camera series. Equipped with a protective housing and M12 connectors conforming to IP67 protection class, CARRIDA CAM provides optimal protection for all applications in rough environments. The stand-alone system is suited for all outdoor applications, e.g. access control, red light enforcement and toll collection. Thanks to their very low power consumption of less than 3 W CARRIDA CAM systems can be powered via photovoltaic cells to implement fully self-sufficient applications. Included in the package is the high-performance OEM software CARRIDA which ensures very fast and precise license plate recognition with an accuracy of more than 96%. The ALPR/ANPR library reliably identifies even dirty, damaged or skewed license plates. ...



Modular all-in-one ITS package for global use

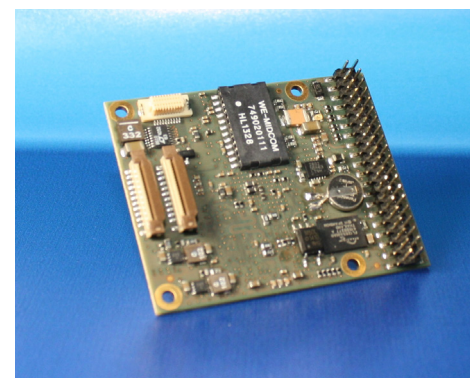
Image processing expert Vision Components presents a modular ITS solution for OEM manufacturers, a complete package with all components needed for traffic control. The package comprises the Carrida Software Engine, Carrida Cam, VC Flash infrared area lighting module and the Q-Board, that turns IP cameras into Smart Cameras. The solution is suitable for applications such as access control, toll and speed control, traffic analysis or fleet management. The individual products can be freely combined as needed or integrated into existing systems based on customer requirements. With a typical processing time of 30 ms and a reading accuracy of more than 96%, the Carrida Engine is an extremely fast and accurate ALPR/ANPR library (Automatic License Plate or Automatic Number Plate Reader) that reliably detects even dirty, damaged, or slanted license plates in countries around the world. Carrida Cam combines the advantages of this software package with the outdoor ruggedness and compactness ...

Caught in the spotlight: Infrared lighting module VC Flash for ITS applications

Vision Components round off their ITS product portfolio with the powerful new VC Flash infrared area lighting for OEMs. The lighting module has been developed specifically for traffic surveillance applications. Fitted with 24 high power LEDs, it ensures optimal brightness in mobile and stationary ANPR/ALPR applications, red light enforcement, access control and toll collection without a glare effect that could endanger drivers. VC Flash illuminates an area measuring 7.5 by 5.0 m from 20 m away. Extra-high brightness can be achieved by activating several connected VC Flash modules. The module measures 195 x 80 x 20 mm. It operates with a central wavelength of 850 nm and a spectral width of 30 nm. Power consumption peaks at 36 W for the highest pulse duration and pulse frequency levels. ...



Upgrade your IP cam: Q-Board turns IP cameras into smart cameras for ITS



Responding to a customer request, Vision Components, expert for embedded machine vision systems, has refined its intelligent camera model VC nano cube. Since the VC service range includes development services as well as the adaptation of standard models, such individual solutions can be easily and cost-efficiently implemented at any time. The request included a round, dust-proof housing with integrated lighting. VC implemented this by means of a protective IP65 enclosure that houses the remote camera head and a 12 mm S-Mount lens as well as eight High-Power LEDs while the processor and other electronic components remain inside the standard nano housing. This design is ideally suited for applications with limited installation space and demanding environments where dust, dirt, or humidity occur. Available as a stainless steel and as an aluminum model, the protective housing can be quickly and easily installed ...