VIDEONET – QUEST
MODERN ACCESS CONTROL SYSTEM

NEW
SUPPORT
PoE

FROM ACS TO PSIM

Start your way to the comprehensive security system for objects of any scale, using capabilities of VideoNet PSIM platform
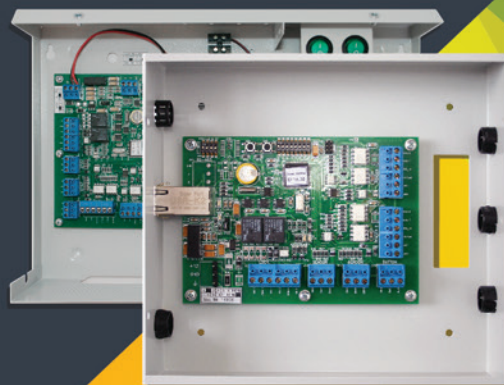
EFFICIENCY

RELIABILITY

AUTOMATIZATION

HIGH-QUALITY AND FUNCTIONAL EQUIPMENT FOR OBJECTS OF ANY SCALE

CONTROLLERS

QUEST-8E / QUEST-8000R
QUEST MK2-8E / QUESTMK2-8000R/
QUEST-MK2-8EP

QUEST Controllers are proprietary solution of SKYROS Corporation, which has more than 20 years of experience in ACS controller manufacturing

∞ No limi on the number of controllers

PoE POE support

Uninterruptible work

EM-Marin MIFARE HID Touch Memory

Various controller support

ACS SOFTWARE VIDEONET – QUEST

Organize access control individually for your object

QUEST CONTROLLERS
MANAGED BY VIDEONET PSIM

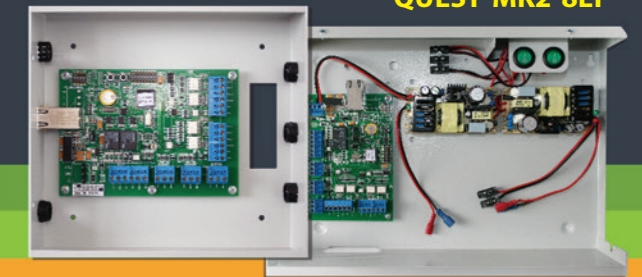High-quality, reliable and functional solution

ACS HARDWARE VIDEONET – QUEST

QUEST controllers - affordable, reliable and modern ACS components

CONTROLLERS
QUEST-8E
QUEST-8000R

CONTROLLERS
QUEST MK2-8E
QUESTMK2-8000R
QUEST-MK2-8EP

Last generation QUEST controllers are created to work with modern VideoNet 9.1 software. Ethernet and RS-485 standard networks are used to connect controllers with the server, Wiegand 26/34 and 1-Wire are used to connect readers. The controllers are powered both from an external source and using PoE technology. The presence of built-in memory allows you to store 8000 users and 8000 events, which guarantees the preservation of information when the connection with the server is broken.
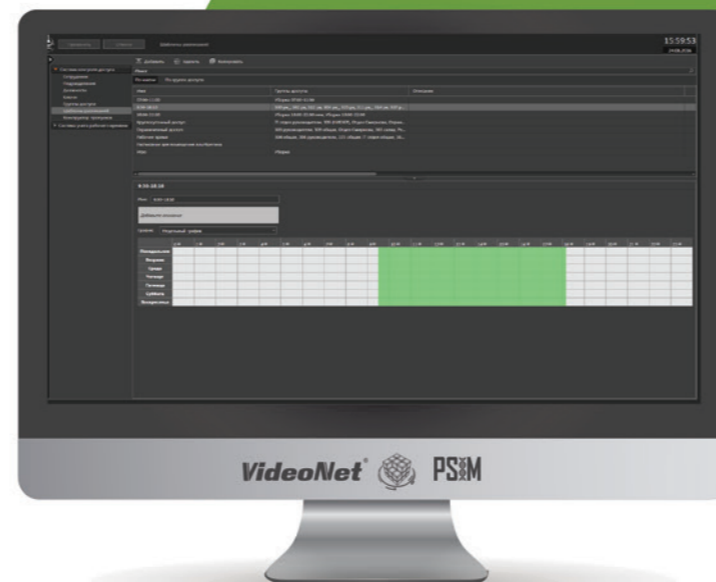
MODERN SECURITY PLATFORM

ACS VIDEONET

VideoNet PSIM is a security platform that handles events from different subsystems and is a common control and response environment for the video / audio system, ACS, FIAS. It effectively solves the problem of ensuring the security of the object, taking individual requirements into account and allows realizing the project with minimal costs and efforts. It gives a complete picture of the events at the object and provides the entire data set for decision making.

The ACS controller processes information coming from the reader and using a built-in relay manages actuators, connected to it, for example:

• **Electromagnetic locks or latches;**
• **Electromechanical locks;**
• **Barriers, turnstile, etc.**

If necessary, the controllers can operate in the employees working time registration mode without connecting actuators to the controller.

SINGLE ENVIRONMENT FOR ACS, VIDEO SURVEILLANCE AND FIAS

ACS VIDEONET

ACS VideoNet-QUEST is based on the VideoNet PSIM platform. Informativity and manageability - these two slogans are embodied in the concept of PSIM. Main advantage of the VideoNet PSIM compared to the video surveillance system and regular integrated system is having a full picture of events happening on the object, which is achieved by combining and analyzing the data, received from the ACS controllers, FIAS sensors and video surveillance cameras within a single interface. Using ACS VideoNet-QUEST you get the opportunity to evolve your security system to the VideoNet PSIM level, meanwhile the evolvement would be achieved by simply adding new features within the existing system.

5 YEAR WARRANTY

In the production of controllers, only highly reliable components from manufacturers such as Philips, Atmel, STMicroelectronics, Mean Well Enterprises are used. High-quality components, modern assembly technologies and 100% final inspection, supported by a 5-year warranty, have proven QUEST controllers to be a reliable and efficient solution that ensures stable operation of the system throughout its entire life cycle.
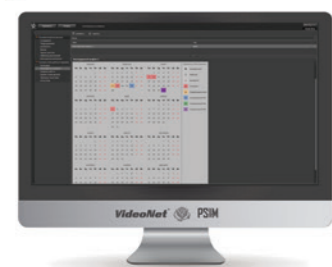
DISCIPLINE CONTROL

ACS VIDEONET

Various report forms reflect the real work schedule of employees, help to establish the size and causes of loss of working time. You can create reports for selected dates, employees, departments or the whole company. Convenient unloading of the main reports into pdf, xls, html, rtf, bmp formats makes it possible to use them outside the VideoNet working time logging system.
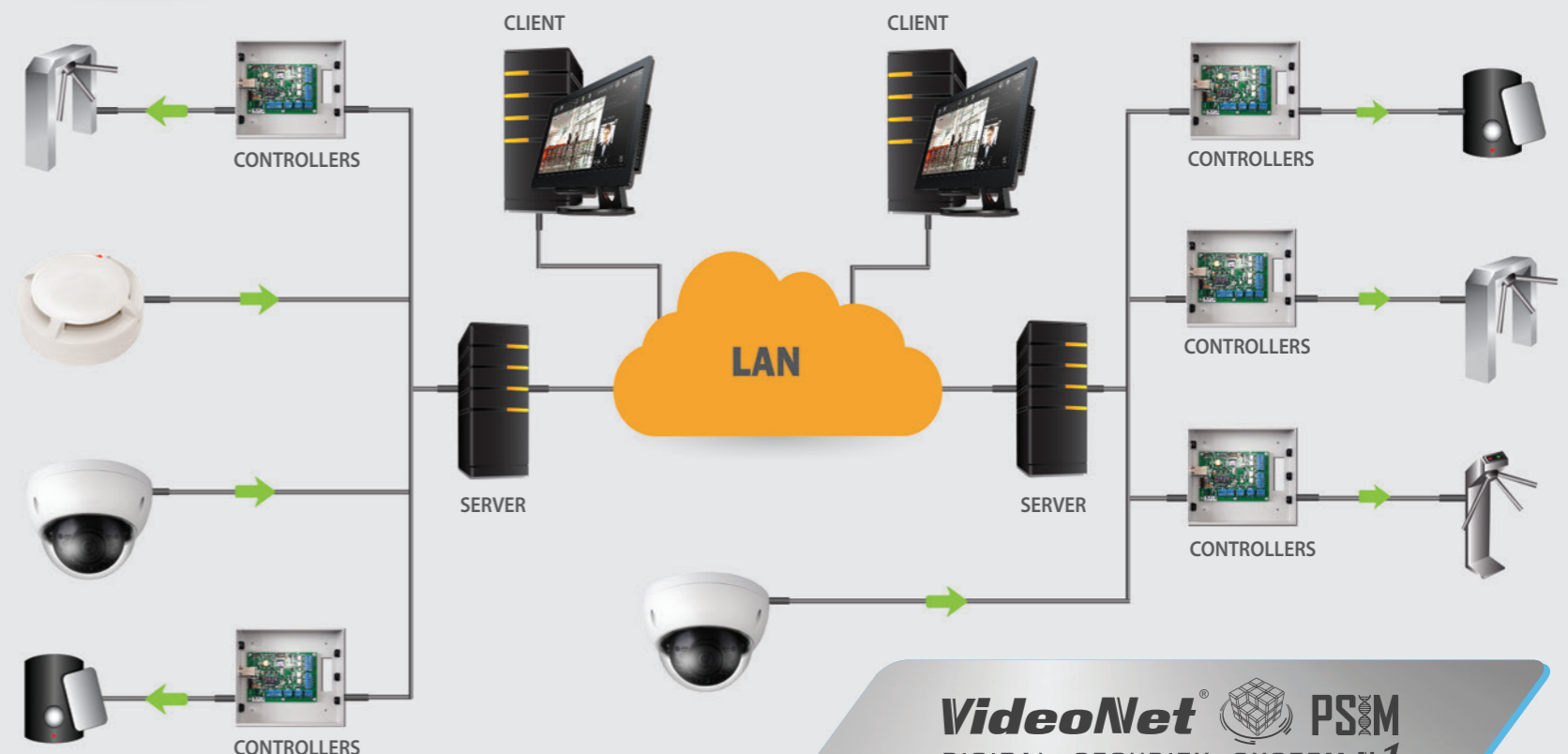
SIMPLICITY, MANAGEABILITY, INFORMATIVITY

ACS VIDEONET

• Adding and configuring equipment using wizards
• Personalization of passes
• User group management
• Device group management
• Device management on the object graphical plan
• Photo and video verification
• Visual, detailed reports
• Unloading and using reports in the company's document flow
• ACS event reporting, including sms

CLIENT   CLIENT

CONTROLLERS   CONTROLLERS

CONTROLLERS

LAN

SERVER   SERVER

CONTROLLERS

CONTROLLERS

VideoNet PSIM
DIGITAL SECURITY SYSTEM №1

TTECHNICAL PARAMETERS OF QUEST CONTROLLERS

Technical parameters	QUEST-8E / QUEST-MK2-8EP / QUEST-8000R controller	QUEST MK2-8E / QUEST MK2-8000R controller
Communication line connection interface	Ethernet / RS-485	Ethernet / RS-485
Power supply voltage: PoE power supply:	(12+-0,3) V direct current only for the QUEST-MK2-8EP model	(220-240) V, (50+-5) Hz
Output voltage of each power supply for plug-in load	–	(12±0,1)V
Rated load current of each power supply	–	2,8A
Type of connectable accumulator battery	–	12V
Protection of the accumulator battery against improper turning on	–	Electronic
Protection of the accumulator battery against the deep discharge	–	Shutdown threshold 11V
Protection against a short circuit / current overload	–	Electronic

Current consumption:
    in standby mode no more than
    in commutation mode no more than
	120мА
	500мА
		100mA
		500mA

Number of readers that can be connected	2	2
Number of relays that can be controlled	2	2

Relay parameters:
    Commute voltage no more than
    Commute current no more than
    Relay trigger time (can be programmed)
	30 V direct current
	3A
	from 0,5 s to 25 s
		30 V direct current
		3A
		from 0,5 s to 25 s

Maximum capacity of the key memory bank / Maximum capacity of the event memory bank	8000/8000	8000/8000
Maximum key recognition time (for 4000 keys)	1,2 s	1,2 s
Maximum key recognition time (for 8000 keys)	1,3 s	1,3 s
Maximum number of controllers in the network	no restrictions	no restrictions
Ambient operating temperature	from +2°C to +40°C	from +2°C to +40°C
Overall dimensions	200x190x45 mm	350x240x75 mm