ONSITE CHECK POINT PATROL - MOBILE SYSTEMS

With Check Point Ram Warning System (CPRW)

Onsite Check Point Patrol products are tailored sensor or display systems. Systems are made portable for easy transportation. Mobile systems are either inconspicuous radar-alarm modules or 2 digit speed displays & dollies with 30 cm high digits.

Optional full graphic Variable Message Sign (VMS) allows text & graphic instructions at the check point. Full graphic VMS-sign allows displaying messages and instructions in any language, or as symbols like direction arrows. Speed displays will show speed to approaching target and flashes the speed if pre-set speed limit is exceeded. Speed limit, minimum and maximum speeds can be programmed to display by using control panel and LCD-screen.

MOBILE COMMAND CONTROL INTERFACE (MCCI) & CPRW FOR AUDIO-VISUAL WARNINGS FOR TACTICAL HEADSETS
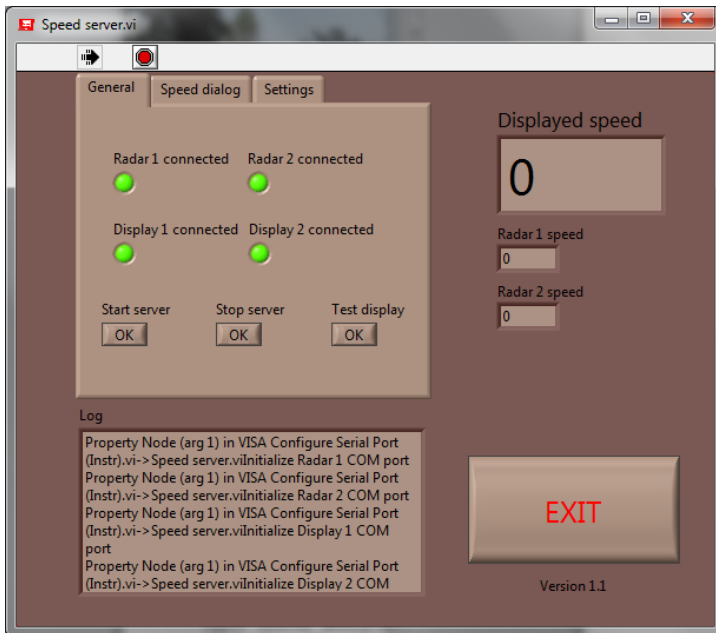
OnSite Check point Patrol systems are equipped with built-in Check point Ram Warning system (CPRW) for additional gate & check point security. MCCI/CPRW -system uses radar information independently from speed display. If separately programmed speed limit or sudden acceleration towards check point or gate is detected, system will provide audio-visual waning at the site.

Wide range of trigger possibilities and wireless interface enables also Audible warnings via tactical headsets. This function enables audible warning over the radio to all people wearing tactical headset within range. This function increases security in situation where all or most of the personnel is occupied while checking vehicles & people.
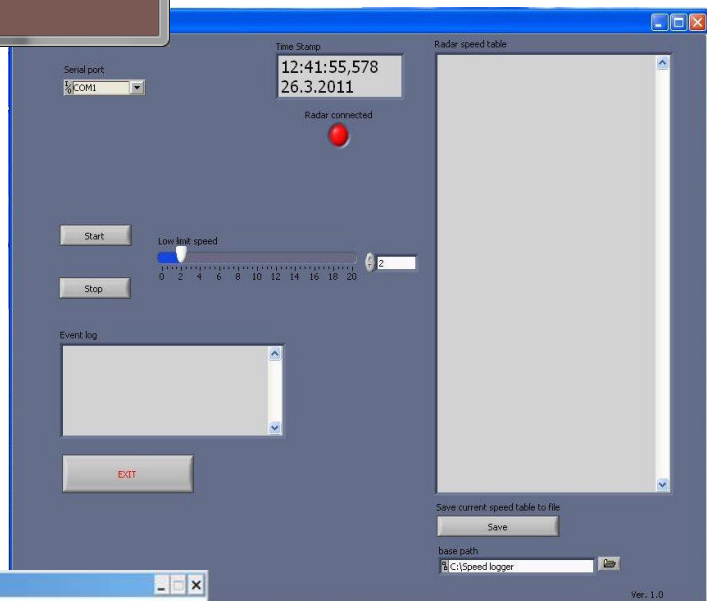
Cut-off or any other normal speed display settings do not affect to CPRW-operation as it works all the time between 0-240 KPH speed range independently from speed display. This provides valuable seconds as an early warning check point & gate personnel.

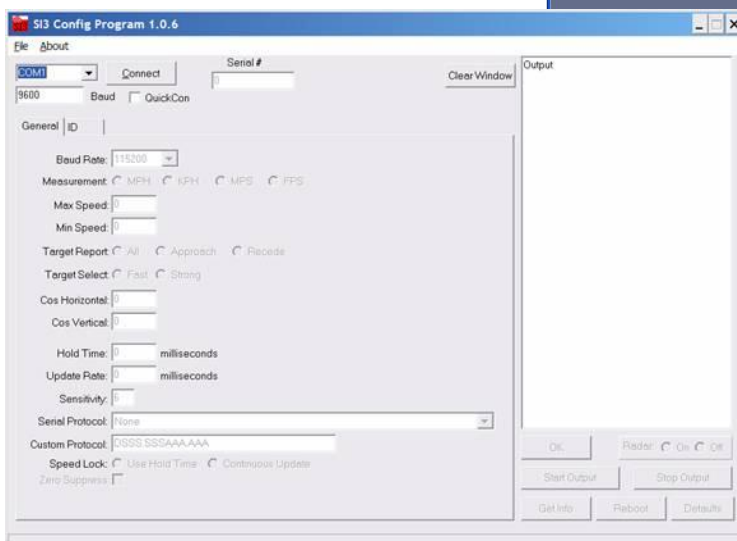# ADVANCED MOBILE CONTROL CENTRE INTERFACE & CPRW FOR MULTISYSTEM CONTROL

Advanced version (AMCCI) allows centralized controlling & alarms from multiple systems or speed displays. With multiple systems it is possible to cover e.g. 2-4 directions or multiple lanes, different locations or wider area in general. AMCCI allows warnings towards low priority or unintended direction at the check point. System can provide recognizable warnings from different directions when vehicle or movement is detected from low priority or unintended direction.

Speed Server for multiple systems (ACCI / CPRW)

CCI & CPRW

Radar Settings Interface (ACCI)

RADAR:	
Frequency:	K-band 24.150 GHz +/- 50 MHz
Beam width:	12° +/-1°
Range:	920 m
Speed range:	1 - 240 km/h
Accuracy	±1,25 %
Cosine angle error correction:	Cosine angle correction up to 45 degrees vertical & horizontal
Programmable functions (ACCI)	- KPH, MPH or KNOTS
	- Sensitivity / range
	- Vertical & horizontal angle
	- Directionality (approaching, resending or both directions)
	- Target lock & hold times
	- Minimum & maximum speeds
	- Closest or fastest target in range

DATA COLLECTION & CONTROLL MODULE	
Functions:	Control for two digits
Data collection, internal (Option):	SD-Card up to millions of samples
Data collection, computer (Option):	PC-software (ACCI)
Accuracy:	Speed is stored in full kilometres, miles or knots
Directionality	Both directions, only approaching or targets going away.
	(System will relay only approaching targets to CRW & display)
Options:	Automated data transfer over GSM-data connection (option)
	Automated date and time update over GSM network (option)

POWER	
Nominal power:	12V
Power consumption (minimum)	0,23 A (2,8 W)
Power consumption (maximum):	8,9 A (107 W) (OnSite 30 with VMS Display)

ONSITE CONTROLL FUNCTIONS	
LCD-display with back light and 5 controls	Possibility to set following functions with menu & control buttons:
	- Speed limit (when exceeded module will flash speed digits)
	- Maximum speed show by display
	- Minimum speed show by display
	- Speed information shown in seconds
	- Date and time
	- GSM number for data transfer (GSM/GPRS -data transfer option)
	- Number of samples collected before initiation of an automatic
	data transfer (GSM/GPRS -data transfer option)