

Mobile complex video broadcast (MCVB) for the police units

MCVB refers to a multi-channel video - telecommunication complexes, allowing secure transmission, reception and retransmission of video and audio information in a digital format from the board of the mobile means in operations police units.



Video - MCVB transmission equipment can be installed on mobile objects (cars, helicopters, special equipment, boats and ships of the Coast Guard). Motion pictures and sound from the cockpit or from the place of events (rallies, demonstrations, sporting events, concerts and festivals, training in conditions close to real situations), resulting in «On -Line» mode with the help of cameras and microphones allow to conduct remote monitoring and management actions to ensure the safety of crews, protection of lives and health of people, preservation of infrastructure and other facilities, which increases the efficiency of police work.



Purpose MCVB

MCVB is designed for rapid transmission of video and audio information, and direct relay of video signals in HD-quality event from the site to the point of reception (for viewing on monitors), or transmission over communication channels in operations control centers of police departments.

The main performance characteristics of complex mobile video broadcasting

Radio frequency band – 762-818 MHz; 2300-2700 MHz
Carrier power (adjustable) - up to 10 W
Type of modulation - DVB-T2K, QPSK, 16-QAM, 64QAM
Range - up to 30 km
Standard form TP - ISO/IEC 13818-1 (DVB)
Method for coding video- ITU-T H.264 (ISO/IEC MPEG-4 Part 10), MPEG2
Video Resolution: SD: not worse 720x576x50i; HD: 1920x1080x50i.
Video encoding performance - Up to 12 MB / sec
Method for coding audio- MPEG1, Layer 2
The input interfaces (6 entries) - 1 input: SD / HD SDI with two nested audio channels, or two HDMI embedded audio channels
Receiver Type - dual channel with diversity on two antennas, signal reception..
Input level - from minus 80 dBm to -10 dBmШирина канала - 6M/7M/8M
Type of modulation- QPSK, 16QAM, 64QAM
Transport stream - MPEG-4 AVC/H.264 HP@L4,
MPEG-2 MP@HL/ML
Aspect Ratio - 4:3 /16:9
Video Standard - PAL / NTSC
video Outputs - CVBS 1V, BNC 75Ohm, HD/SD-SDI or HDMI
Video Resolution - composite:720*576@25fps/720*480@30fps;
HD: not worse 1920x1080i/ 1920x720p
Audio decoder - MPEG-2 / HE_AAC (DD/DD + optional)
Audio output: 600 ohms balanced



The composition of the MCVB

Mobile (fixed) transmitter with video cameras, with power supply units and antennas;
Mobile phone (landline) receivers with power supply units and antennas;
Mobile (fixed) means displays (monitors).
Accessories.



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