

KSS-17

Airborne communication suite

KSS-17 airborne communication suite is intended for two way telephone radio communication between crew and ground control units, other aircrafts to transmit the information on the A/C location, as well as for intercommunication between crew members.



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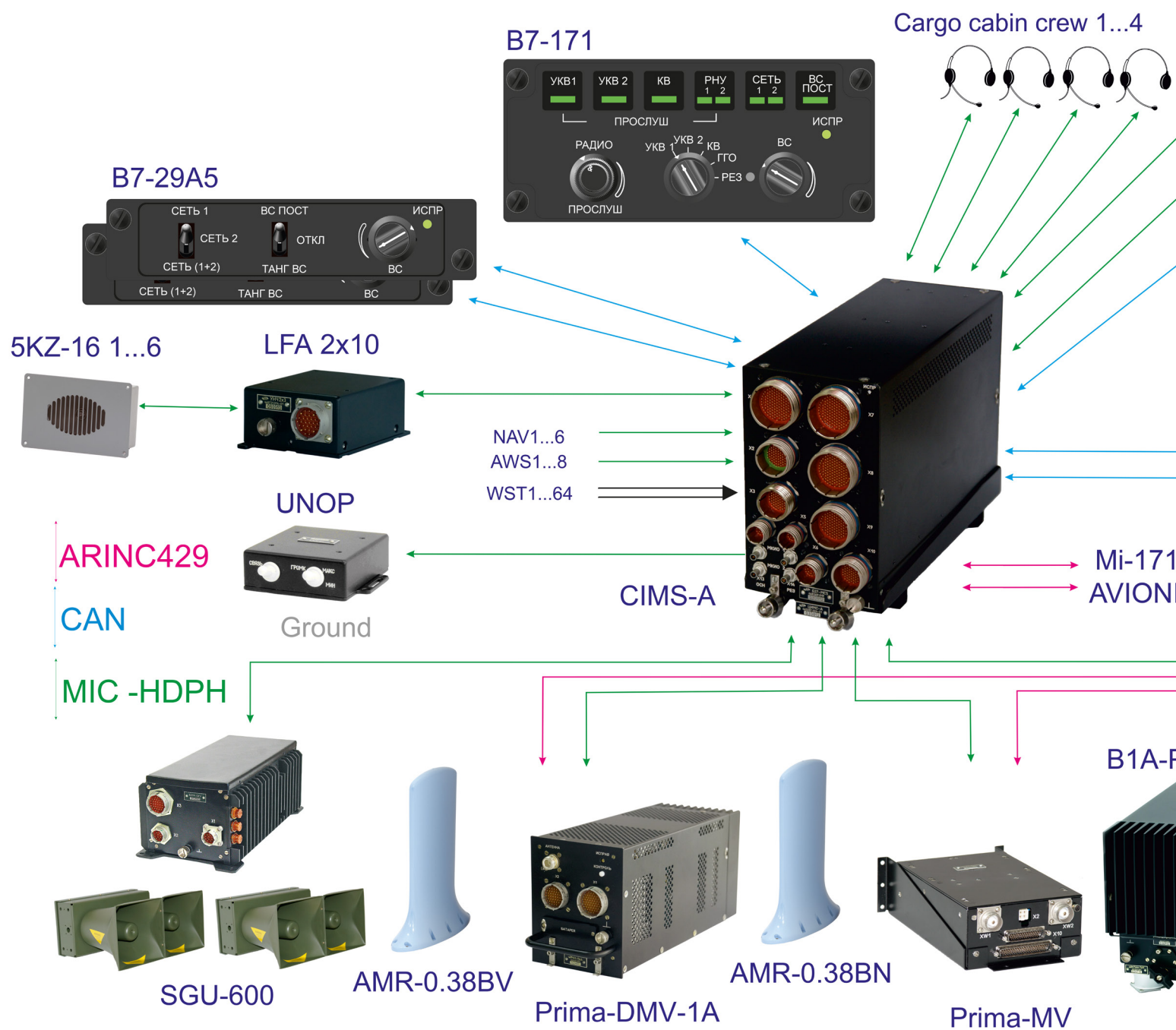
PRIMA



Airborne communication suite functions:

- open telephone radio communication in V/UHF, HF ranges for crew with ground control centres and interacting aircrafts, equipped with the equipment, which can provide joint operation;
- internal telephone communications for crew and cargo cabin users;
- internal telephone communications with ground maintenance personnel (GMP) during preflight preparation;
- voice warning of the crew about the emergencies;
- listening to automatic direction finder (ADF) signals. radio navigation system (NAV) signals and special signal transducers (SST);
- generation and transmission of the information on the A/C location and other parameters as well as exchange with messages via Iridium satellite communications channel;
- public addressing for cargo cabin;
- external public addressing;
- transmission of the crew telephone conversations to cockpit voice recorder.

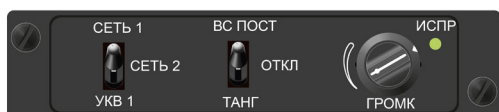
Airborne communications suite for Mi-171A2 helicopter



Pilots



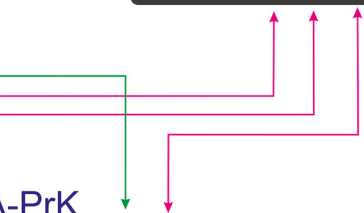
B7-29A4



B8-171



71A2
NICS



A-PrK



B5A1-PrK

Prima-KV



SSKM-R2

Prima-DMV-1A

Telephone radio communication in VHF-UHF ranges.

Quantity 1

Prima-MV

Telephone radio communication in VHF range.

Quantity 1

Prima-KV

Telephone radio communication in HF range.

Quantity 1

MS2M-A communication module

MC2M-A is intended for executing of the intercommunication equipment functions, interfaced RCE switching and control, voice warning system (VWS) functions.

MS2M-A consists of::

CIMS-A..... 1

B8-171 unit 2

B7-171 unit 1

B7-29A4 1

B7-29A5 2

LFA 2x10

5KZ-16 acoustic system

Passenger addressing by the crew of the helicopter technicians (passengers).

Quantity:

LFA 2x10..... 1

5KZ-16 acoustic system 6

SGU-600 external public addressing system

Announcements or commands outside the helicopter.

Quantity 1

AMR-0,38BV antenna

VHF-UHF antenna.

Quantity 1

AMR-0,38BN antenna

VHF-UHF antenna.

Quantity 1

SSKM-R2 terminal

Satellite tracking system terminal.

Quantity 1

UNOP amplifier

LFA for ground maintenance personnel

(Not to be installed on the helicopter, is a part of the delivery set).

Quantity 1



Specifications:

Parameter	Value
Frequency range, MHz	
HF	2.0 - 29.999
VHF2	118 - 136.975
VHF-UHF	30 - 87.975, 100 - 149.975; 156 - 173.975 and 220 - 399.975
Frequency spacing, KHz	
HF	0,1
VHF2	25; 8.33
VHF-UHF	25; 8.33
Emission classes	
HF	A3E/H3E, J3E
VHF2	A3E
VHF-UHF	F3EJN, A3EJN, G3EJN
Output power of radio sets at load equivalent, W	
HF	min 100
VHF2	10
VHF-UHF	20 for A3EJ; 30 for G3EJN, F3EJN
Maximum radio communications range, km:	
HF	up to 1500
VHF2 radio line of sight	ground-aircraft up to 200, aircraft-aircraft up to 250
VHF-UHF radio line of sight	ground-aircraft up to 200, aircraft-aircraft up to 300
Quantity of voice channels	up to 3
Power consumption (DC, 27V), W, max	250 (Rx mode), 1900 (Tx mode)
Assigned lifetime, years	25
Weight, kg, max	52