

# IBKV-17



## Integrated Flight Deck Solution for Mil helicopters

Mi-8/ Mi-17



The IBKV-17 is designed for Mi-8/Mi-17 helicopters. The IBKV-17 allows the helicopter's functional capabilities to be considerably expanded, permits all-weather flights, improves the flight safety, makes the cockpit more ergonomical and more modern looking achieving the "glass cockpit" affect.

The IBKV-17 system enables manual, director and automatic (if the helicopter integrated flight system is installed) piloting along the set horizontal and vertical tracks.

The system allows the GLONASS/GPS-aided non-precision approach and the CAT I instrumental approach, CAT II approach as well provided some additional equipment is installed.

PFD show all the necessary information for a VFR and IFR flight: attitude, on-route navigation parameters, ILS system signals, V-command bars (with the helicopter integrated flight system installed). The display has a special

mode for the HOVERING mode enabling the easy and accurate hovering over the set point.

Navigational and EICAS displays show information from the common helicopter systems, text messages with recommendations for the crew, a moving map of the area with navigational information and the FCC-reckoned helicopter position overlaid on. The displays show the picture of the underlying terrain formed by the terrain awareness and warning system, an image from the weather radar. In addition, they can display a video image from different optronics systems and video cameras installed on board.

The redundant helicopter FMS ensures the continuous reckoning of the helicopter current position coordinates from the autonomous navigation aids data, and the automatic and crew-ordered correction from the data of the GNSS, VOR/DME or DME/DME system, and when flying over a conspicuous feature.

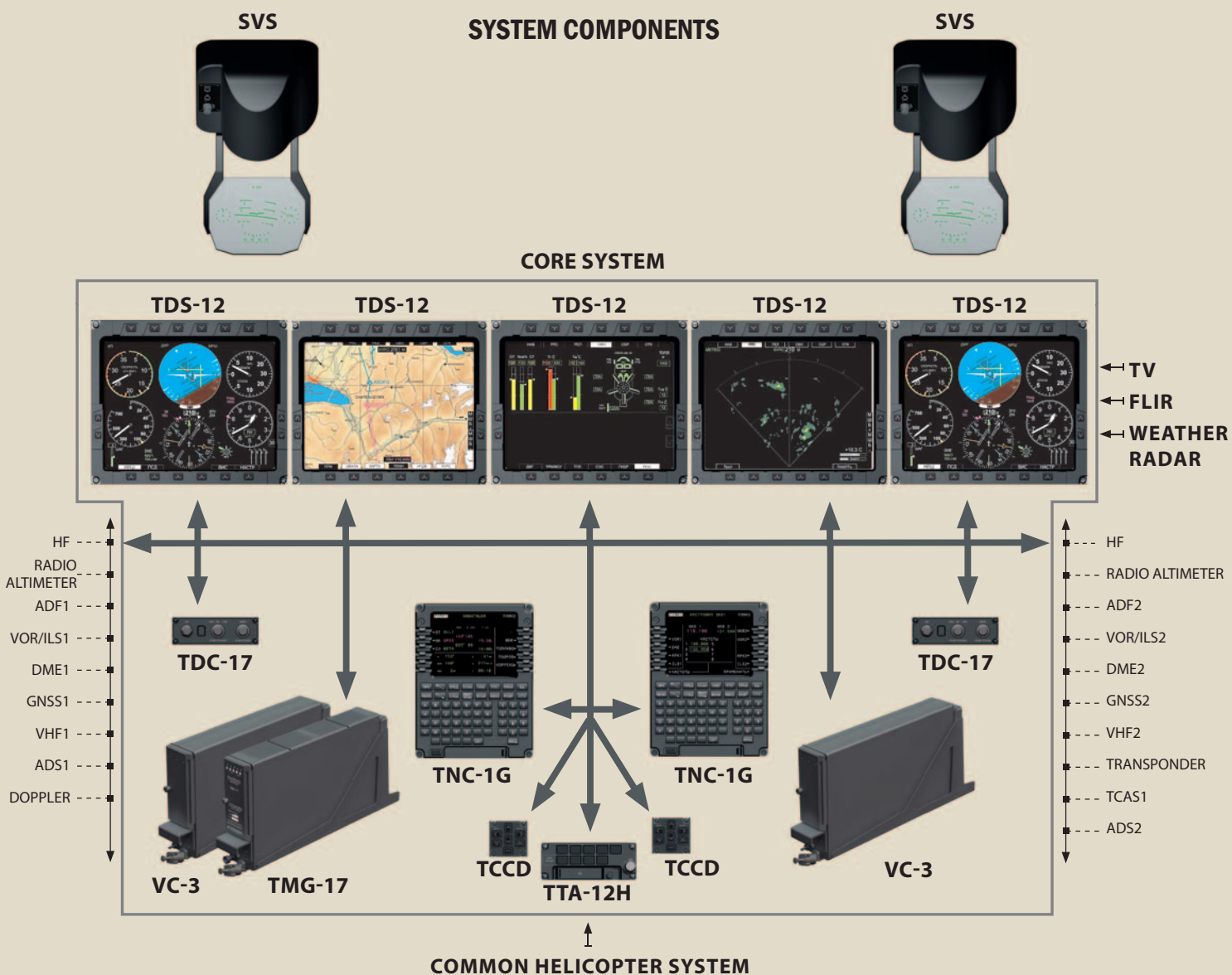
The IBKV-17 includes the TTA-12H terrain awareness and warning system ensuring a high helicopter safety level both, during the flights in the adverse weather conditions, and during the routine low altitude flights, during the take-off and landing.

The system includes up-to-date highly reliable equipment with the integrated testing facilities and digital data links. This allows the automatic pre-flight checks of both, the avionics system and the common helicopter equipment, testing results output on the MFD. In the case of equipment failures,

the system's display and control facilities are reconfigured automatically or manually.

The IBKV -17 is an up-to-date and reliable system. It permits integration of the flight control and navigation equipment, communication aids and com-

mon helicopter equipment to form a single information and control system. It improves flight regularity and safety. Its open architecture allows the further build-up of its functions through the installation of additional equipment and software upgrades.



### OPTIONAL

SAR SEARCHLIGHT	1	TSL-1600
OPTOELECTRONIC SYSTEM	1	To customer order
VHF DIRECTION FINDER	1	SAR DF 517
VIDEO CAMERAS	Up to 3 pcs.	To customer order
HEAD-UP DISPLAY (HUD)	1-2	To customer order