

InteliVision 8



CONTROLLER COLOUR DISPLAY UNIT



Description

InteliVision 8 is a new generation colour display unit for either InteliGen^{NT}, InteliSys^{NT}, InteliMains^{NT} or InteliDrive controllers. It is designed as a simple, easy to use Plug and Play solution and has been developed from our original IS-Display.

The new InteliVision 8 screen features many significant improvements such as the large high-resolution colour TFT display, which helps visibility and definition for onscreen information. The control interface has also been updated with user-friendly intuitive active buttons – giving users access to more information in less time. InteliVision 8 also features our unique TRENDS monitoring as a standard feature, helping you evaluate past events easily on one screen.

The InteliVision 8 cut-out size is the same as the IS-Display (InteliSys^{NT}), so InteliVision 8 can be easily used as a replacement for (or an alternative to) IS-Display. Regardless of the size it can be also used as a replacement for (or an alternative to) IG-Display LT GC or I-RD-CAN.

InteliVision 8 includes ComAp's standard communication interface using RS232/485 and CAN bus communication. Designed to be mounted in both monitoring and engine room, InteliVision 8 gives complete access to all control functions when connected to InteliGen^{NT}, InteliSys^{NT}, InteliMains^{NT} or InteliDrive controllers.



* Certification is coming soon.



ComAp is a member of AMPS (The Association of Manufacturers of Power generating Systems).



ComAp products meet the highest standards, with every stage of production undertaken in accordance with the ISO certification obtained in 1998.



Selected ComAp products have the UL Certification.

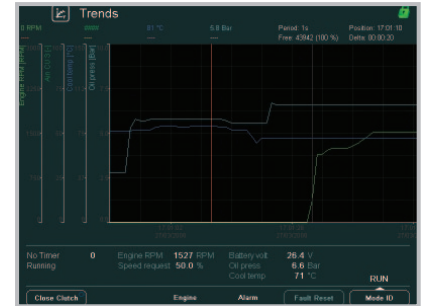
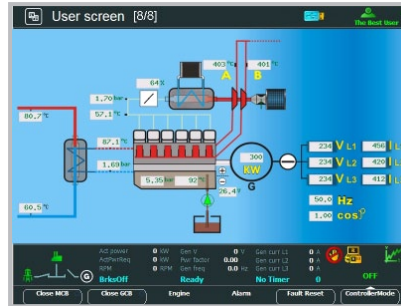
Benefits

- ▶ Large, colour screen with high-resolution
- ▶ PLUG and PLAY operation (auto configuration based on controller application)
- ▶ Simpler, faster and more intuitive control
- ▶ More information in less time
- ▶ TRENDS monitoring screen
- ▶ USB flash disk file STORAGE (export trends, history and archive to USB flash disk)
- ▶ User's PICTURES import to measurement screens
- ▶ Easy SCREEN CONFIGURATION by customer in new GRAPHICAL Editor
- ▶ CONFIGURABLE soft keys buttons
 - Fast skip to any measurement or Setpoints screens
 - Binary signal activation – toggle button/pulse generator
 - Associating of genset commands
- ▶ ADAPTIVE and COLOR alarm list displaying
- ▶ Support of Tier 4 icons
- ▶ Universal solution for IntelliGen^{NT}, IntelliSys^{NT}, IntelliMains^{NT} and IntelliDrive controllers
- ▶ Direct connection to the controller (converters are not needed)

Features

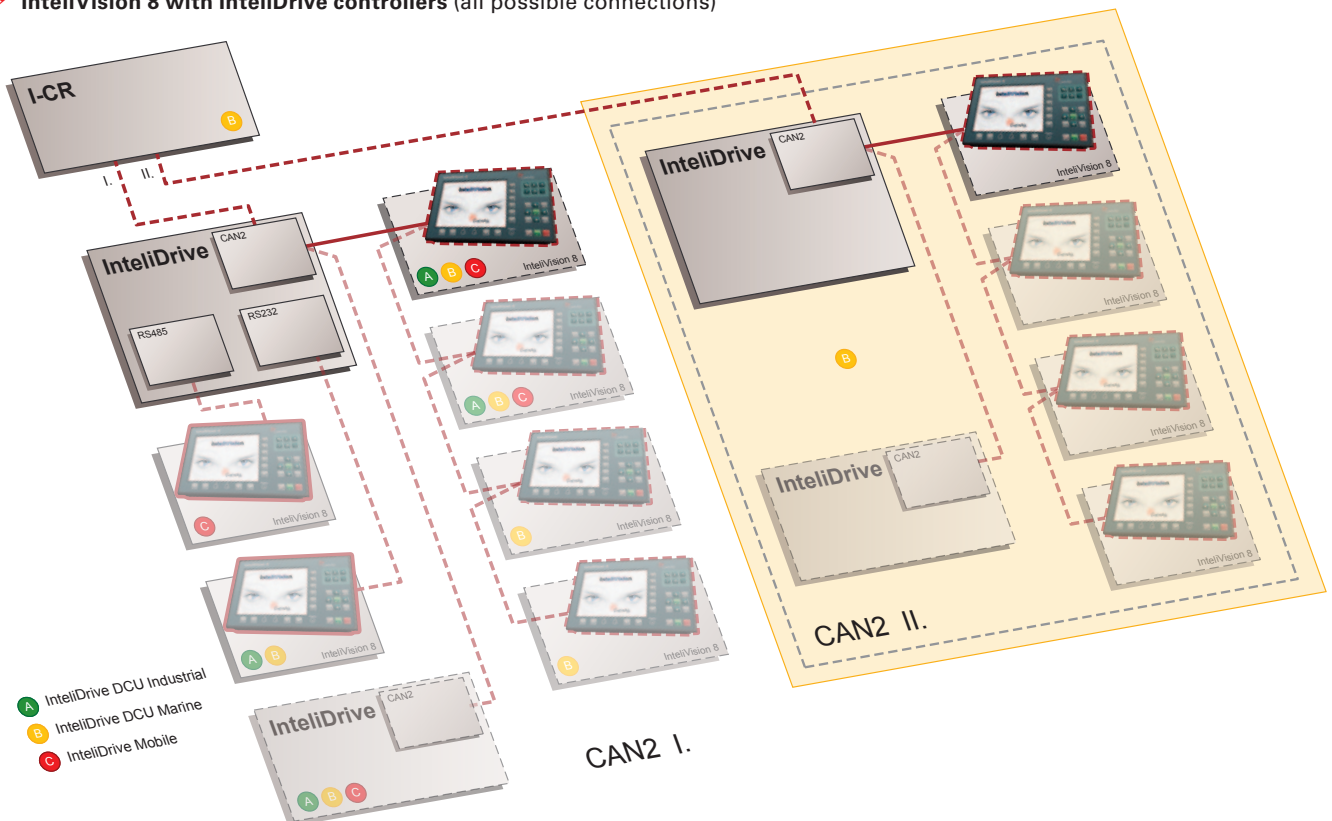
- ▶ 8" colour TFT display with resolution 800×600 pixels
- ▶ Customized initial screen logo and the content of a controller help
- ▶ Same language support as IntelliGen^{NT}, IntelliSys^{NT}, IntelliMains^{NT} and IntelliDrive
- ▶ Allows full monitoring of ONE controller (in case of more controllers on CAN it is possible to switch over among controllers monitoring by change of CAN address)
- ▶ The same dimensions as IS-Display (possible as a replacement for IG-Display LT GC, IS-Display or I-RD-CAN)
- ▶ Possibility to mount IS-NT-BB to the rear side of IntelliVision 8
- ▶ Possibility of MARINE version
- ▶ Connection via of RS232/485 and CAN bus
- ▶ Windows CE operating system
- ▶ Operating temperature: -20 to + 70°C
- ▶ EMC, climatic and mechanical tests
- ▶ CE, UL certification
- ▶ Face is sealed to IP65

Screens examples

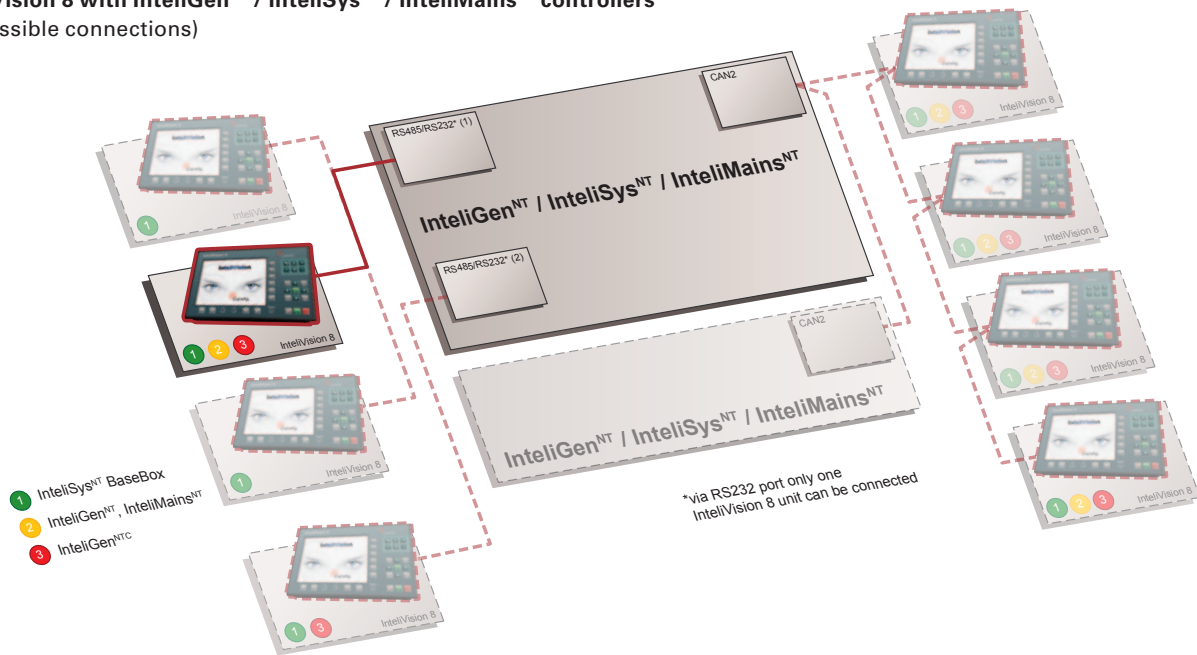


Connection

- ▶ IntelliVision 8 with IntelliDrive controllers (all possible connections)



▷ **InteliVision 8 with InteliGen^{NT} / InteliSys^{NT} / InteliMains^{NT} controllers**
(all possible connections)



Typical applications

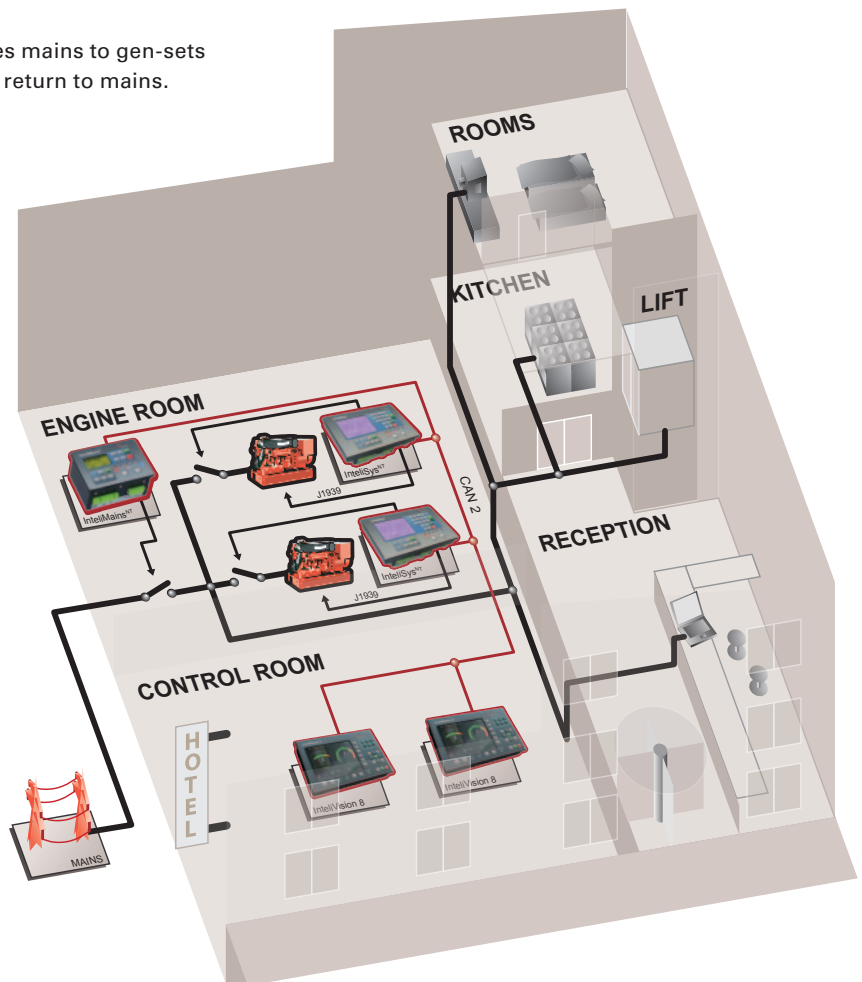
STANDBY SYSTEM WITH LOAD SHEDDING – ADVANCED DISPLAYS

Description:

- ▷ The system guarantees emergency standby power in case of mains failure.
- ▷ InteliMains^{NT} provides AMF function and activates mains to gen-sets changeover in the case of mains failure no break return to mains.
- ▷ Load shedding can take place during the changeover to trip the unessential load when gen-set goes to island.
- ▷ Gen-set starts, the power is ramped-up, load is reconnected. The second gen-set is started if needed (more load requires more gen-set power).
- ▷ Automatic forward and reverse synchronisation with soft load ramp-up and ramp-down during changeover is available.
- ▷ Wide range of engine and generator protections, including vector shift protection are standard features.
- ▷ Automatic optimization of number of running sets according to load can be selected.
- ▷ Automatic equalization of running hours of particular engines is available.
- ▷ The second gen-set can be used as a backup set.
- ▷ History file with performance log stored in InteliSys^{NT} allows easy backtracking and problem solving.

Scope of supply:

- ▷ 2x InteliSys^{NT}
- ▷ 2x IGS-NT-LSM+PMS dongle
- ▷ 2x InteliVision 8
- ▷ 1x InteliMains^{NT}
- ▷ 2x IG-AVRi
- ▷ 2x IG-AVRi-TRANS/LV



Typical applications

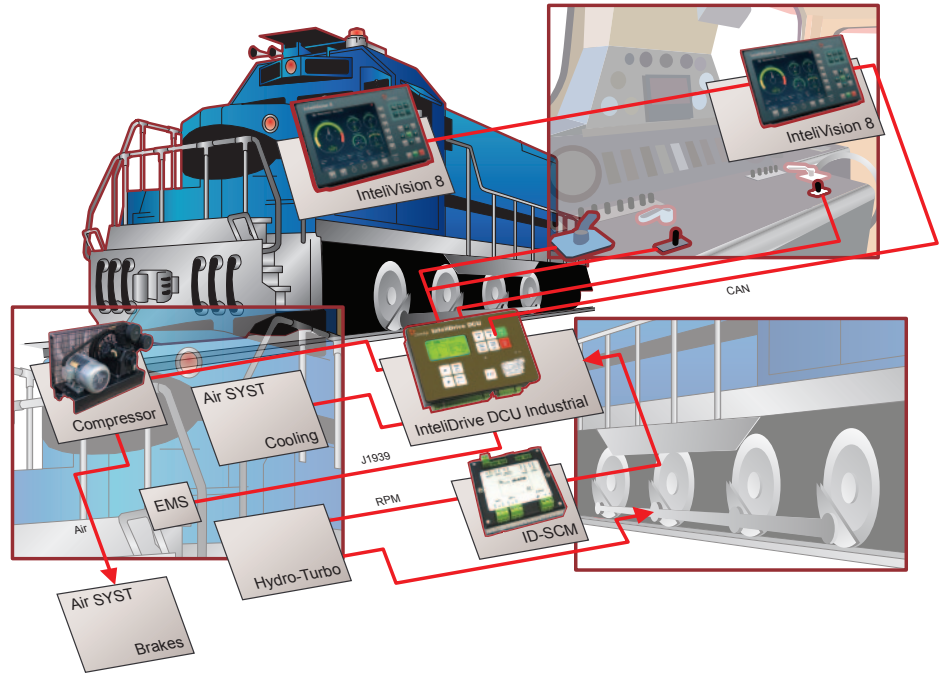
SHUNTING LOCOMOTIVE

Description:

- ▶ The shunting locomotive re-power application uses an IntelliDrive DCU Industrial for the complete control, monitoring and protection of the Volvo D16 engine which drive a Voith Hydro – Turbo gear-box for propulsion via a system of push-rods.
- ▶ Full communication between engine, IntelliDrive DCU Industrial and the two IntelliVision 8 displays is achieved with CAN bus – making the system wiring and integration very simple.
- ▶ All values, warnings and fault codes from the engine (EMS) are displayed on the two large IntelliVision 8 displays, located on both sides of the locomotive cabin.
- ▶ Smooth take-off and moving, with wheel-slip limitation, is controlled by Ramp function – made possible with the standard IntelliDrive DCU Industrial integrated, free configurable PLC logic.

Scope of supply:

- ▶ 1x IntelliDrive DCU Industrial
- ▶ 2x IntelliVision 8
- ▶ 1x ID-SCM



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The interactive simulator provides a taste of the new IntelliVision 8, with demo and preview options illustrating screen information and function.

**simulator
ONLINE**



➔ www.comap.cz/intelivision8

For more information about our products and applications visit

www.comap.cz



MANUFACTURER:

ComAp, spol. s r.o.

Czech Republic
Phone: + 420 246 012 111
Fax: + 420 266 316 647
E-mail: info@comap.cz
Internet: www.comap.cz

LOCAL DISTRIBUTOR / PARTNER:



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