I-MOTION BASIC-S

⬛MOVECAT

MOVECAT I-Motion Basic-S Show Controller

compliant with BGV D8 and C1, as well as igvw SQ P2 D8 Plus and EN 61508 SIL 1* to SIL 3* (*depending upon configuration)

The I-Motion Basic-S Show Controller is based on the tried-and-tested Basic controller and constitutes a compact System Controller for the systemic control of kinetic drives in mobile and flexible project applications with extended ancillary features. The additional features are the general dual-channel implementation according to EN 61508 SIL 3, the User ID chip card function as well as additional outputs for the connection of an additional monitor and external remote units for GO, Emergency Off and a control lever/dead-man switch unit.

Due to this feature set, the Basic-S controller is ideally suited to the provision of small- to medium-sized system solutions with variable-speed drives Naturally up to sixty D8, D8 Plus and C1 drives can also be control-led and supervised in mixed operation at fixed or variable speeds. The option exists of integrating already existing drives and other stage machinery.

The controller corresponds in its basic configuration to BGV D8, BGV C1 and EN 61508 SIL 3 and is therefore equipped for overhead scenic runs.

The Basic-S controller controls and supervises by I-Motion network the Movecat MPC and V-Motion Power Controllers and forms with them a closed safety network. The safe, efficient and intuitive entry of key operating and run parameters is facilitated by a user-optimized input keyboard with tactile feedback and a high-resolution rotary encoder with a button function. A large, 12" backlit 4C LCD touchscreen provides further input and takes over the visual display of the operating, input and system parameters in 2D or 3D according to choice. The user therefore has an overview over the entire rig and instant access to parameters and details. Complex target* and group* runs even in the case of possible interactions can be programmed and executed. (*depending upon the drive configuration) The Basic controller is system- and software-compatible with the I-Motion Expert controllers and can be used as a backup system.

For the immediate triggering of kinetic run activities, a GO button and a rotary/push-button encoder are available for the recall and execution of scene changes and shows as well as adjustment of their speeds. An integrated SSD disk drive as storage medium allows the saving of all system parameters and numerous shows (the actual number depends upon the size of the hard disk). The data can be exported and stored externally.

The I-Motion Basic Show Controller is recommended in combination with the MPC and V-Motion Power Controllers for professional kinetic applications in the rigging, trade fair, events, studio and touring sectors.

Technical equipment:

- 12" 4C-LCD touchscreen, backlit keypad for direct input
- E-Stop button, function-illuminated
- User ID chip card reader
- Key switch for central start-up with bypass function
- High-resolution rotary encoder with button function
- GO button (Start) backlit
- SSD disk drive
- Internal UPS (3 minutes) with network filter
- 2 I-Motion-Net output sockets
- 2 USB ports for add. mouse/M-stick etc.
- XGA output, SUB-D for second monitor
- Multi-pin remote input/output
- Robust 19"/6U metal housing with two handles

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FEATURES:

- Standard configuration according to BGV C1, EN 60204-1 and -32 , EN 13849-1 and EN 61508
- Safety processor with risk structure
- 32-bit high-performance bus system
- 2-channel safety computer according to SIL 3
- Power-saving CPU technology
- Operating states stored in non-volatile RAMs
- Self-testing of relevant functions prior to system enabling
- Simple intuitive operation using a 12" touchscreen and direct input via a function keyboard as well as a high-resolution rotary encoder with key+C4252 function
- 12" 4C-LCD touchscreen, backlit
- Group-transcending error supervision when connected in a network
- Supervision and display of the operating states* of the hoists/drives such as run direction, speed, position, operating and emergency limit, excess temperature, brake gap monitoring, dynamic load analysis as well as load and run groups.
- User ID chip card with level structure

Technical data:

- 230 V/50 Hz electricity supply
- Dimensions: 19"/6U, 483 x 265 x 220 mm (width x height x depth) without plug-in connector
- Weight 6.5 kg
- BGV D8, C1, igvw SQ P2D8 Plus conformity and EN 61508 SIL 3 conformity

Software:

- Operating system: Win XP Pro
- Software: Movecat I-Motion
- Management of up to 60 drives or network controllers with IP address* (standard configuration 24 drives software-expandable to 60 drives)
- 2D/3D representation switchable, zoomable
- Unlimited number of shows and scene changes/cues
- Expanded operating/display level on a second monitor (XGA Out)
- Speed way points for fixed profile
- Profile and snapshot recorder
- Input of software operating limit positions
- Management of open and closed drive groups
- Path- and time-synchronous group run*
- Group-synchronous run (central up/down movement of previously selected hoists/axes) programmable with multiple run groups
- Object generator, simple programming of complex scene changes with multiple drives and inter-connected loads
- Programming and execution of complex, successive show sequences
- Acceleration and braking of drives, groups and cues
- Supervision of the run direction and target speeds and complementary overload ascertainment through analysis of the rated speed when encoder-operated
- Set-up possibility for underload*/overload* definition
- Driver's log function, allows display, importing and exporting of show files on server and USB memory stick
- Off-line operation

*The functions listed depend upon the actual hoist/drive configuration

Options / Accessories:

- External remote units, GO, Emergency Off, control lever/dead-man function
- Pull-out 19" keyboard with trackball
- Var. TFT ancillary monitors
- MPC I-/V-Motion Power Controller
- I-Motion NDB-6/12, Network Distribution Box
- I-Motion NMB-14, Network Master Box
- I-Motion NBB, Network Booster Box

Subject to technical modifications and typographical errors.