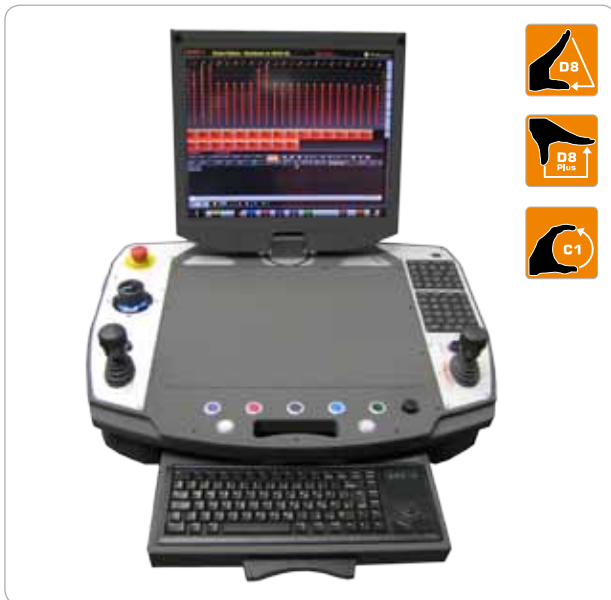


MOVECAT I-MOTION EXPERT-T II System Controller

compliant with BGV D8 and C1, as well as igw SQ P2 D8 Plus and EN 61508 SIL 3



The I-Motion Expert-T II System Controller: the high-end product for the systemic control of kinetic drives in larger and complex projects. Developed for applications with up to 240 drives, it allows the control and supervision of any application, in the field of rigging for example, in connection with D8, D8 Plus and C1 drives at fixed or variable speeds. Control in mixed operation of D8, D8 Plus, C1 to SIL 3 drives can be realized without problems. The option even exists of integrating already existing drives and other stage machinery. The controller corresponds in its basic configuration to the BGV C1 and EN 61508 SIL3 standards and is therefore equipped for overhead scenic runs. The Expert-T II System Controller controls and supervises via I-Motion net-

work the Movecat MPC-4ID8/C1 and V-Motion Power Controller and forms with them a closed safety network. An error in one unit is analysed centrally, represented visually and leads depending upon the system configuration to the immediate shutting down of a hoist/drive, the group to which it belongs or even the entire system. The safe, efficient and intuitive control of key operating and run parameters is facilitated by an application-optimized, backlit input keyboard with tactile feedback and a multifunctional 3D control knob. It is further enhanced by a flippable 19" touchscreen. The touchscreen takes over the visual representation of the operating, input and system parameters, in a choice of 2D or 3D displays, whether horizontally

or vertically oriented. The user has at all times therefore an overview of the 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) For direct operation, two dynamic control levers are available as well as five CUE Start buttons for the recall and execution of scene changes and shows. An integrated SSD disk drive as storage medium allows the storage 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 Expert-T II system is recommended in combination with the I-Motion and V-Motion Power Controllers in particular for professional, complex as well as scenic kinetic applications in the trade fair, events, studio and touring sectors.



FEATURES:

- Implementation in accordance with BGV C1 and EN 61508 SIL 3
- 32-bit high-performance bus system
- Safety processor with risk structure
- Power-saving Centrino CPU technology
- Passive cooling
- Operating states are stored in non-volatile RAMs
- Self-testing of relevant functions prior to system enabling
- Night-design, buttons and input devices illuminated
- Simple intuitive operation by means of direct input via a function keyboard, multifunctional control knob and 19" touchscreen
- User hierarchy implemented by means of user ID chip card or password
- 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.
- Multi-user operation, 2 devices
- Internal UPS (3 minutes) with network filter
- Operating system: Win XP Pro



I-MOTION EXPERT-T II

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Software:

- Movecat I-Motion
- Management of up to 240 drives or network controllers with IP address*
- 2D/3D representation switchable, zoomable
- Unlimited number of shows and scene changes/cues
- Expanded operating/display level on a second monitor (DVI Out)
- Operation with and without server connection
- Image rotation (flip TFT)
- Chip card evaluation with user level
- Analysis of external setup signals*~
- Download function of the drive parameters
- Speed way points for fixed profile
- Profile and snapshot recorder
- Input of software operating limit positions
- Management of free 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
- Programming and recall of complex, successive show sequences
- Acceleration and braking of drives and groups
- Object mode with 3D object group function
- Supervision of the run direction and target speeds and complementary overload ascertainment through analysis of the rated speed when encoder-operated
- Simple setup possibility for underload and overload definition*~
- Drive patch for the global exchange of hoists/drives in shows
- Driver's log function, allows display and export
- Import/export of show files on server and USB memory stick

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

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Technical data:

- 230 V/50 Hz electricity supply
- Dimensions: 670 x 532 x 180/565 mm (Width x Depth x Height with touchscreen lowered/raised)
- Weight 21 kg
- BGV D8, igvw SQ P2 D8 Plus, BGV C1, EN 61508 SIL 3 conformity



Technical equipment:

- Flippable 19" TFT touchscreen
- Pull-out alphanumeric keyboard with trackball
- Direct input keyboard, backlit
- E-Stop button, function-illuminated
- 3D-Space Navigator, multi-functional control knob
- 2 dynamic control levers with dead-man function
- 2 incremental limit controls
- 2 additional dead-man buttons
- 5 cue start keys
- Main switch for central start-up
- SSD hard disk
- Storage surface in full A3 format
- 2 x C14FC I-Motion-Net output connectors
- 2 USB ports for mouse/M-stick etc.
- DVI output for second monitor
- Robust housing with handle

Options / Accessories:

- I-Motion NDB-6/12, Network Distribution Box
- I-Motion NMB-14, Network Master Box
- V-Motion Motion Power Controller
- MPC I-Motion Power Controller series I-Motion I/O-DB 6416, input/output box, 64 inputs 24 V/DC and 16 outputs 24 V max. 50 mA
- Proficase

