SFERA

New

AUDIO-VIDEO MODULE WITH 5 MP HIGH-QUALITY CAMERA

351500

#ImprovingLives

bticino

A brand of legrand®

New SFERA audio/video module 351500

CLEARER IMAGES WITHOUT CHANGING YOUR HABITS.

Discover the new BTicino SFERA 2 wires High-Quality Camera (5 MP).

BTicino continues its commitment to renewing and evolving its offer with the new SFERA audio/video module with High Quality camera (item 351500).

Designed for the creation of new 2 wires colour video door entry systems and the refurbishment of existing ones, this new module is an important step forward in terms of innovation and quality.

There are numerous advantages for the professional in using this new camera in systems, without the need to change their installation habits.

Let us see them in detail.

Benefits and Advantages

- **Superior-quality images:** The new 5 MP High Quality camera ensures sharp and detailed images, even in low light conditions, significantly enhancing the user experience.
- **Simplified management of the warehouse:** The reduction of audio/video module and finishing cover plate product codes translates into more rational and streamlined stock management.
- **Total compatibility:** The module is compatible with existing systems, allowing for a simple upgrade without wiring work.
- **No change in the finishes:** The module is completed with the finishing cover plates already in the catalogue, for total aesthetic integration.

Technical features of the new Camera Module (item 351500)

- 5 MP High-Quality Camera: Fitted with wide angle lens , digital filters and white LEDs for optimal lighting of the shooting field.
- HQ video transmission: The video signal is transmitted to internal units via PAL encoding on 2 Wires BUS SCS technology.
- Audio adjustments: Adjustable speaker and microphone volume for clear and precise communication.
- Call management: It can manage up to 98 pushbutton calls using the additional double row pushbutton modules.
- Wide angle of vision: Horizontal 119°, vertical 92° and diagonal 151° for complete coverage of the surrounding area.
- Electrical door lock control: Direct activation using clamps S+ and S- (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and connection of a local door lock release pushbutton on PL clamps.
- Front LEDs: Notification of the operating status: door lock release, active communication, forwarded call, and busy system.
- Integrated optic sensor: Automatic activation of the night backlighting for perfect visibility even at night.
- Configuration flexibility: Physical configuration or using a PC and TiSferaDesign software, which can be downloaded free of charge from the website.

Why choose the SFERA HQ High-Quality camera module

The new module is an important step forward in terms of technological innovation, quality and reliability for professional video door entry systems. Don't miss out on the opportunity to integrate the Sfera High Quality audio/video module into your new projects and offer it to your customers as a system upgrade.

Offer the BTicino quality and innovation.

Below is a quick consultation table for the selection of the new codes and comparison with the current ones.

- COMPARISON TABLE of NEW ITEMS AND DISMISSED ITEMS.

For more information, visit our website **www.bticino.com**

SFERA NEW

SFERA ROBUR

2 WIRES

HQ

351500 - front

351500 - rear

Comparison table of new items and dismissed items.

CODES OF EXISTING FRONT COVERS

NEW A/V Module.

351500

Allmetal finishing front covers

351301 351311 351321

Allstreet finishing front covers

351303 351313 351323

Allwhite finishing front covers

351302 351312 351322

Robur finishing front covers

351305 351315 351325

CODES BEING DISCONTINUED

A/V module.

351200

Sfera New - Robur front covers

351201 351211 351221 351202 351212 351222

351203 351213 351223 351205 351215 351225

Wide angle N/D camera module

352400

Sfera New - Robur front covers

352401 352402 352403 352405

A/V module. Wide angle camera

351300

Sfera New - Robur front covers

They are used for the new module 351500

New SFERA A/V module with 5 MP High-Quality camera - 351500

SFERA audio/video module with High-Quality camera for the installation of 2 WIRES colour video systems.

Fitted with 5 MP wide angle High-Quality camera with digital filters and white LEDs for the lighting of the shooting field.

The HQ video signal is transmitted to internal units via PAL encoding on 2 Wires BUS SCS technology.

Speaker and Microphone volume adjustments. It can manage up to 98 pushbutton calls using the additional double row pushbutton modules.

Horizontal angle of vision (119°), vertical angle of vision (92°). It allows the activation of an electrical door lock directly connected to clamps S+ and S- (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and the connection of a local door lock release pushbutton on clamps PL.
Preset for additional power supply.

Fitted with front LEDs for the notification of the operating status: door lock release, active communication, forwarded call, and busy system.

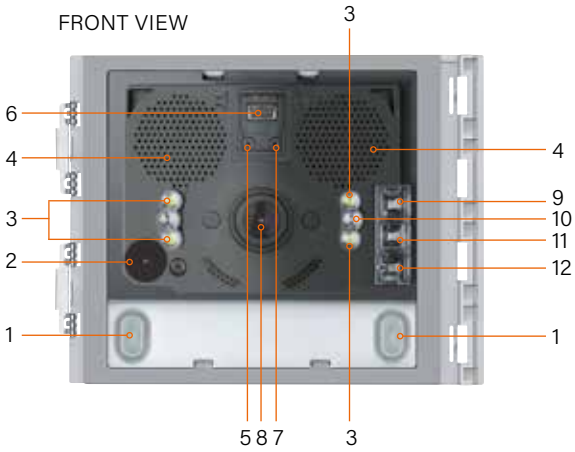
Integrated optic sensor for the switching on of the night backlighting.

To be completed with surround plate.

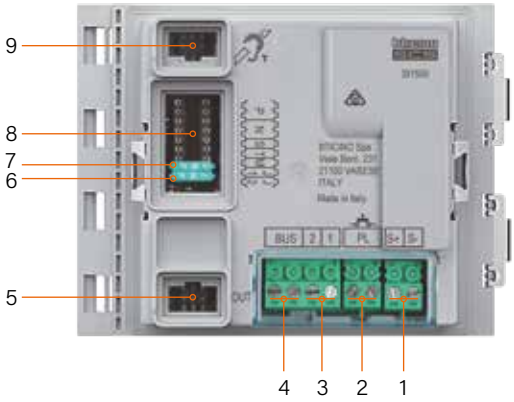
The device must be configured physically or using a PC with the specific software, which can be downloaded free of charge from www.homesystems-legrandgroup.com

Features and functions

FRONT VIEW



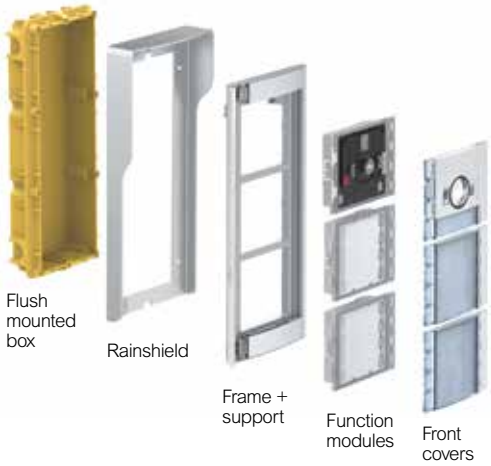
REAR VIEW



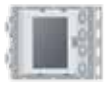
1. Call pushbuttons
2. Microphone
3. White LEDs for night lighting of the shooting field
4. Speaker
5. Speaker volume adjustment
6. Mini-USB connector for programming
7. Microphone volume adjustment
8. 5 MP High-Quality Camera
9. Open door green notification LED
10. Ambient lighting sensor
11. Green LED for active communication indication
12. Green LED for forwarded call
    Red LED for busy system

1. Connection and electric door lock control (18V 4A impulsive - 250 mA holding current 30 Ohm max)
2. Connection of the local door lock release pushbutton
3. Local power supply connection
4. 2 wires SCS/BUS connection
5. Connector for the connection to subsequent modules
6. J2 remove to enable additional power supply
7. J1 remove to activate two columns of call pushbuttons
8. Configurator socket
9. Connector for the connection of the inductive loop module

Sfera New pushbutton panels - selection table

FINISH	TYPE OF INSTALLATION	FLUSH MOUNTED BOXES	RAINSHIELD (OPTIONAL)[1, 2]	FRAME[2]
CHOOSE THE FINISHING Replace the dots in the item code with 1, 2, or 3 to select the desired finish **1** ALLMETAL **2** ALLWHITE **3** ALLSTREET 	**FLUSH MOUNTED INSTALLATION**  Flush mounted box Rainshield Frame + support Function modules Front covers	**350010** 1 module **350020** 2 modules **350030** 3 modules 	**35051...** 1 module **35054...** 4 modules **35052...** 2 modules **35056...** 6 modules **35053...** 3 modules **35059...** 9 modules 	**35021...** 1 modules **35022...** 2 modules **35023...** 3 modules
	WALL MOUNTED INSTALLATION Flush mounted box with integrated rainshield Frame + support Function modules Front covers	**WALL MOUNTED BOX[2]** **35061...** 1 module **35062...** 2 modules **35063...** 3 modules 	**35064...** 4 modules **35066...** 6 modules **35069...** 9 modules 	

1 : Only for flush mounted installation 2 : To select the desired finishing, see 'CHOOSE THE FINISHING', on the top left

	ELECTRONIC MODULES	FRONT COVERS[2]
		Audio front covers
SPEAKER MODULES	**351000** Basic speaker (only audio systems)	**35100...** Basic speaker **35101...** Basic speaker 1 pushbutton **35102...** Basic speaker 2 pushbuttons **35104...** Basic speaker 2 pushbuttons on double row **35108...** Basic speaker 4 pushbuttons on double row
	351100 Speaker	**35110...** Speaker **35111...** Speaker 1 pushbutton **35112...** Speaker 2 pushbuttons **35114...** Speaker 2 pushbuttons on double row **35118...** Speaker 4 pushbuttons on double row
PUSHBUTTON MODULES	**352000** 4 pushbuttons on single row	**35203...** 3 pushbuttons **35204...** 4 pushbuttons **352011** 1 pushbutton **352021** 2 pushbuttons
	352100 8 pushbuttons on double row	**35216...** 6 pushbuttons on double row **35218...** 8 pushbuttons on double row **352121** 2 pushbuttons on double row **352141** 4 pushbuttons on double row
		Video front covers
AUDIO VIDEO MODULE	**351500** Audio / video with High-Quality camera 5 MP	**35130...** Audio / video wide angle **35131...** Audio / video wide angle 1 pushbutton **35132...** Audio / video wide angle 2 pushbuttons on double row **354000** Cable for connecting multiple pushbutton modules L = 470 millimetres
		Various front covers
VARIOUS MODULES	**352200** Nameplate	**35220...** Nameplate
	 **352500** Display	**35250...** Display
	352700 Inductive loop and control speech synthesis	**35270...** Inductive loop and control speech synthesis
	353200 Key card reader	**35320...** Key card reader
	353000 Keypad	**35300...** Numeric keypad **353011** Alphanumeric keypad
		CHOOSE THE FINISHING **Replace the dots in the item code with 1, 2, or 3 to select the desired finish.**

35230... blanking module

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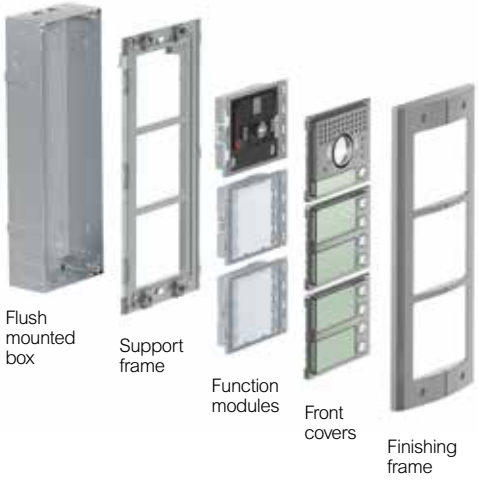
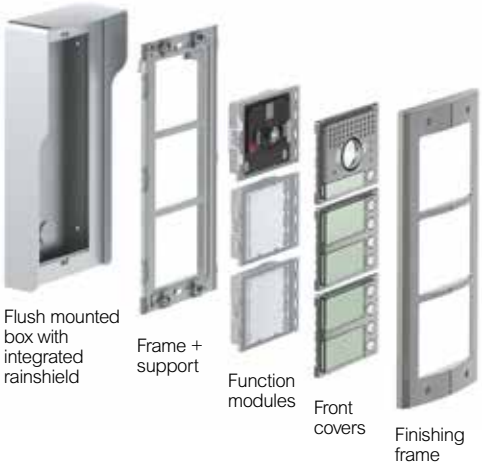
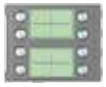
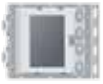
Sfera Robur pushbutton panels - selection table

FINISH	TYPE OF INSTALLATION	FLUSH MOUNTED BOXES	SUPPORT FRAME	FINISHING FRAME
(ROBUR)	**FLUSH MOUNTED INSTALLATION** 	**350110** 1 module **350120** 2 modules **350130** 3 modules	**350315** 1 module **350325** 2 modules **350335** 3 modules	**350415** 1 module **350425** 2 modules **350435** 3 modules
	WALL MOUNTED INSTALLATION 	**WALL MOUNTED BOX** [2] **35061...** 1 module **35064...** 4 modules **35062...** 2 modules **35066...** 6 modules **35063...** 3 modules **35069...** 9 modules			

1 : To select the desired finishing, see SFERA NEW 'CHOOSE THE FINISHING'.

	ELECTRONIC MODULES	FRONT COVERS
		Audio front covers
SPEAKER MODULES	**351000** Basic speaker (only audio systems)	**351005** Basic speaker **351015** Basic speaker 1 pushbutton **351025** Basic speaker 2 pushbuttons **351045** Basic speaker 2 pushbuttons on double row **351085** Basic speaker 4 pushbuttons on double row
	351100 Speaker	**351105** Speaker **351115** Speaker 1 pushbutton **351125** Speaker 2 pushbuttons **351145** Speaker 2 pushbuttons on double row **351185** Speaker 4 pushbuttons on double row
PUSHBUTTON MODULES	**352000** 4 pushbuttons on single row	**352035** 3 pushbuttons **352045** 4 pushbuttons
	352100 8 pushbuttons on double row	**352165** 6 pushbuttons on double row  **352185** 8 pushbuttons on double row
		Video front covers
AUDIO VIDEO MODULE	**351500** Audio / video with High-Quality camera 5 MP	**351305** Audio / video wide angle **351315** Audio / video wide angle 1 pushbutton **351325** Audio / video wide angle 2 pushbuttons on double row **354000** Cable for connecting multiple pushbutton modules L = 470 millimetres
		Various front covers
VARIOUS MODULES	**352200** Nameplate	**352205** Nameplate
	 **352500** Display	**352505** Display
	352700 Inductive loop and control speech synthesis	**352705** Inductive loop and control speech synthesis
	353200 Key card reader	**353205** Key card reader
	353000 Keypad	**353005** Keypad
		352305 blanking module

Sfera pushbutton panels - electronic modules

351000

351100

351500

352000

352100

352200

Item	Electronic modules
351000	BASIC **speaker module** for the creation of 2 WIRES audio systems. Fitted with speaker and microphone volume adjustment. It manages up to 100 pushbutton calls using additional double row pushbuttons. It allows the activation of an electrical door lock directly connected to clamps S+ and S- (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and of connecting a local door lock release pushbutton on clamps PL. To be completed with surround plate. The device must be physically configured.
351100	**speaker module** for the creation of 2 WIRES audio systems. Fitted with speaker and microphone volume adjustment. It can manage up to 100 pushbutton calls using the additional double row pushbutton modules. It allows the activation of an electrical door lock directly connected to clamps S+ and S- (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and of connecting a local door lock release pushbutton on clamps PL. Preset for additional power supply. Fitted with front LEDs for the notification of the operating status: door lock release, active communication, forwarded call, and busy system. Integrated optic sensor for the switching on of the night backlighting. To be completed with surround plate. The device can be configured either physically or using the PC and the specific software. - it can be downloaded free of charge from the website www.homesystems-legrandgroup.com
351500	**Sfera audio/video module** for the creation of 2 WIRES colour video systems. Fitted with 5 MP wide angle High-Quality camera with digital filters and white LEDs for the lighting of the shooting field. The HQ video signal is transmitted to internal units via PAL encoding on 2 Wires BUS SCS technology. Speaker and microphone volume adjustments. It can manage up to 98 pushbutton calls using the additional double row pushbutton modules. Horizontal angle of vision (119°), vertical angle of vision (92°). It allows the activation of an electrical door lock directly connected to clamps S+ and S- (18 V 4 A impulsive - 250 mA holding current 30 Ohm max) and the connection of a local door lock release pushbutton on clamps PL. Preset for additional power supply. Fitted with front LEDs for the notification of the operating status: door lock release, active communication, forwarded call, and busy system. Integrated optic sensor for the switching on of the night backlighting. To be completed with surround plate. The device must be configured physically or using a PC with the specific software, which can be downloaded free of charge from www.homesystems-legrandgroup.com

Item	Electronic modules
352000	**additional 4-pushbutton modules arranged on single column**. To be used with speaker modules 351000 - 351100 and with video module 351500. Connection using the appropriate multicable supplied. Backlighting of nameplates controlled by the speaker module or the audio/video module connected. To be completed with surround plate.
352100	**additional 8-pushbutton modules arranged on double column.** To be used with speaker modules 351000 - 351100 and with audio video module 351500. Connection using the appropriate multicable supplied. Backlighting of nameplates controlled by the speaker module or the audio/video module connected. To be completed with surround plate.
352200	**nameplate module** normally used for displaying the house number or other notifications (e.g. legend for calls using digital pushbutton panels, opening/closing times, etc.). Connection using the appropriate multicable supplied. Night backlighting controlled by the speaker module or the audio/video module connected. To be completed with surround plate.

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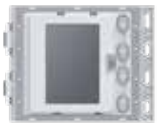
Sfera pushbutton panels - electronic modules


352500

352700

353000

353200

346993

348200

348201

348202

348203

348204

348205

348206

3547

348402

Item	Electronic modules
352500	**graphic display module** to be used with speaker module 351100 or with audio/video module 351500 (connection using the multicable supplied). It can operate in two modes: call from address book or digital call. The call from the address book gives the possibility of sending the call by scrolling on the display the names associated to the residents. It is possible to store up to 4000 residents names. Using the keypad module item 353000 it is also possible to directly call the apartment by entering the number corresponding to the resident. The digital call is also performed using the keypad module item 353000 by entering the numerical code. It is recommended that one or more nameplate modules, item 352200, are installed at the side of the pushbutton panel to display the correspondence between the numerical codes and the names of the users. It is possible to program the names in the address book in two different ways: manual inclusion using the pushbuttons of the display module or inclusion using a PC with the specific software, which can be downloaded free of charge from www.homesystems-legrandgroup.com, by downloading the file to the display module (RECOMMENDED). System power supply cuts DO NOT cause the loss of memory data. To be completed with finishing front cover.
352700	**module for inductive loop and control speech synthesis** to be used with speaker module 351100 or with audio video module 351500. It allows use by hearing (equipped with T-selector) or visually impaired individuals, thanks to the synthesis of voice messages on the connection status (call in progress, end of call, no answer, busy, door open). It is connected to the speaker module using the appropriate multicable supplied. To be completed with surround plate. The device can be configured either physically or using the PC and the specific software. - it can be downloaded free of charge from the website www.homesystems-legrandgroup.com

Item	Electronic modules
353000	**Keypad module** for door lock release or for digital call to the apartment (in combination with display module). It's fitted with relay contacts (C – NO - NC) and clamps (CP - P1 - P2) for the connection of a local door release pushbutton. The numerical code for the opening of the door lock can be programmed using the keypad itself, or using a PC after downloading the module programming file. It also has a programming reset pushbutton and LEDS for the visual notification of the access status. Night backlighting with LEDs. To be completed with surround plate. It is connected to the other modules using the appropriate multicable supplied. The device may also be used as a stand alone unit with independent power supply and operation, only for door lock release. Configuration performed using physical configurators, or a PC with the specific software, which can be downloaded free of charge from www.homesystems-legrandgroup.com
353200	**RFID key card reader module** for the release of the door lock by swiping the key card. It manages up to 20000 key cards. It's fitted with relay contacts (C – NO - NC) and clamps (CP - P1 - P2) for the connection of a local door release pushbutton. The key card for the release of the door lock can be programmed from the module itself, or using a PC after downloading the module programming file. It also has a programming reset pushbutton and LEDS for the visual notification of the access status. Night backlighting with LEDs. To be completed with surround plate. It is connected to the other modules using the appropriate multicable supplied. The device may also be used as a stand alone unit with independent power supply and operation. Configuration performed using physical configurators, or a PC with the specific software, which can be downloaded free of charge from www.homesystems-legrandgroup.com
346993	**The key expansion module** gives the possibility of connecting the call key to the SFERA speaker modules (items 351000; 351100; 351500). Each module can manage up to 8 call keys It is possible to connect several key expansion modules (max 96 call keys for each entrance panel)

	Door lock release transponder and card for Sfera entrance panels and programmer
348200	door lock release keycard - black
348201	door lock release keycard - red
348202	door lock release keycard - green
348203	door lock release keycard - blue
348204	door lock release keycard - orange
348205	door lock release keycard - grey
348206	door lock release keycard - yellow
3547	door lock release customisable keycard (ISO 50 x 80 mm)
348402	tabletop key card programmer

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