

Fine View

User Manual

COLOR VIDEO DOOR PHONE CDV-35HM



- Thank you for purchasing COMMAX products.
- Please carefully read this User's Guide (in particular, precautions for safety) before using a product and follow instructions to use a product exactly.
- The company is not responsible for any safety accidents caused by abnormal operation of the product.

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	Instructions for users
Level-B product	The product is registered for electromagnetic compatibility for household use and can be used in all areas including residential areas.












1. Greetings




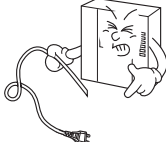



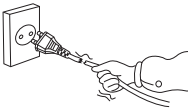





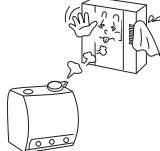



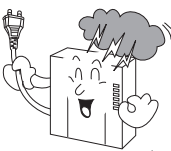






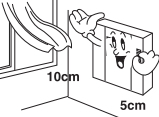


- * Thank you very much for purchasing of COMMAX products.
- * Please read carefully this user manual and follow its rules.
- * This intercom can be used in offices, and shopping outlets, and provide convenience to use communication on long distances.

2. Warnings and caution

Please follow the things described below in order to prevent any danger or property damage.

 <p>Warning It may cause a serious damage or injury if violated.</p>  <p>Caution It may cause a minor damage or injury if violated.</p>	<ul style="list-style-type: none">  Prohibition.  No disassembly  No touch  Must follow strictly.  Shows plugging out the power cord without an exception  Shows the warning and caution for an electric shock.  Shows the warning and caution for a fire.
---	--

Warning

Power & Installation	<p>Please don't use several products at the same time on one power socket. · It may cause a fire due to an abnormal overheating.</p>  <p> </p> <p>Prohibition Fire</p>	<p>Please don't bend the power cable excessively or it may cause an electric shock. · fire when using a damaged power cable.</p>  <p>  </p> <p>Prohibition Electric shock Fire</p>	<p>Please don't handle the power cable with a wet hand. · It may cause an electric shock.</p>  <p> </p> <p>Prohibition Fire</p>	<p>Please plug out the power cable from the socket when not using it for a long period of time. · It may shorten the product lifespan or cause a fire.</p>  <p> </p> <p>Request Fire</p>
	<p>Please don't install the product in the place where there is much oil, smoke or humidity. · It may cause an electric shock or fire.</p>  <p>  </p> <p>Prohibition Electric shock Fire</p>	<p>Please don't install the product with the lightning and thunder. · It may cause an electric shock or fire.</p>  <p>  </p> <p>Prohibition Electric shock Fire</p>	<p>Please don't use and connect this product with other products with different rated voltage · It may cause a disorder or fire.</p>  <p> </p> <p>Prohibition Fire</p>	<p>When installing the product that generates heat, please install the product away from the wall (10cm) for the ventilation. · It may cause a fire due to the increased internal temperature.</p>  <p> </p> <p>Prohibition Fire</p>

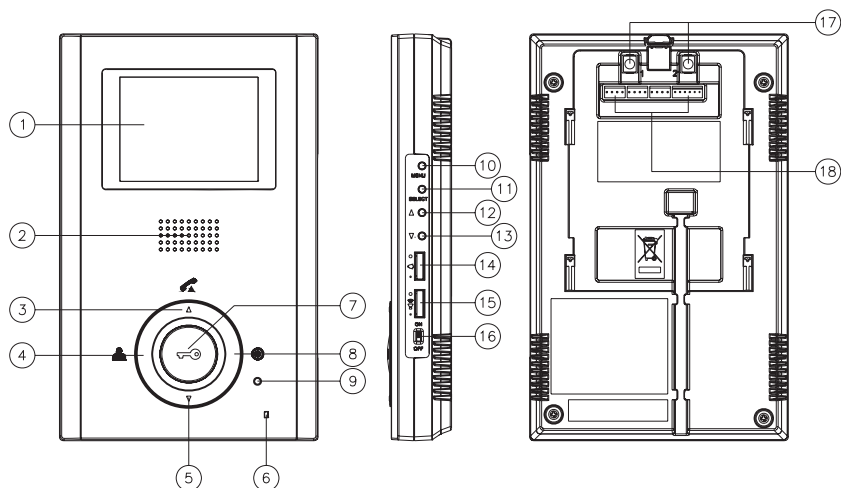
! Warning

Cleaning & Use	<p>Please don't disassemble, repair or rebuild this product arbitrarily (please contact the service center if a repair is needed).</p> <ul style="list-style-type: none"> · It may cause an electric shock or fire. 	<p>If an abnormal sound, burning smell or smoke is coming out of the product, please plug out the power cable and contact a service center.</p> <ul style="list-style-type: none"> · It may cause an electric shock or fire. 	<p>Please don't insert any metallic or burnable materials into the ventilation hole.</p> <ul style="list-style-type: none"> · It may cause an electric shock or fire. 	<p>Please use only the designated batteries for the products of using DC power.</p> <ul style="list-style-type: none"> · It may cause an electric shock or fire.
	 No disassembly 	 	 	

! Caution

Power & Installation	<p>Please plug the power cable firmly into the inner end</p> <ul style="list-style-type: none"> · It may cause a fire. 	<p>Please hold the plug tightly when unplugging the power cable (a part of the copper wire may be disconnected if the grabbing is only made on the cord when pulling out the cable).</p> <ul style="list-style-type: none"> · It may cause an electric shock or fire 	<p>When connecting the power cables after cutting the product with power off</p> <ul style="list-style-type: none"> · It may cause an electric shock or fire 	<p>When installing the product, please fix it firmly while using the wall-mounting unit and screws.</p> <ul style="list-style-type: none"> · It may cause an injury from the falling object.
Power & Installation	<p>Please be careful when using an AC circuit breaker since there is a possibility of an electric shock.</p>	<p>Please check the use voltage and current for the DC-only products and use the appropriate rectifier.</p> <ul style="list-style-type: none"> · It may cause a fire. 	<p>Please avoid direct rays of the sun or heating devices at a time of installation.</p> <ul style="list-style-type: none"> · It may cause a fire. 	<p>Please don't install the product on an unstable place or small support board.</p> <ul style="list-style-type: none"> · It may cause an injury if it falls down while in use.
Cleaning & Use	<p>When cleaning the product, please rub it with a soft and dry cloth after plugging out the power cable. (Please don't use any chemical products such as wax, benzene, alcohol or cleanser.)</p>	<p>Please don't drop the product on the ground and don't apply a shock.</p> <ul style="list-style-type: none"> · It may cause a failure. 	<p>Please use the designated connection cable within the maximum calling distance designated for the product</p> <ul style="list-style-type: none"> · It may reduce the product performance. 	

3. Part names and functions



No.	Part Name	No.	Part Name	No.	Part Name
1	Monitor	7	Door Open Button	13	DOWN Button
2	Speaker	8	Interphone Button	14	Calling volume Adjustment
3	Talk Button	9	Power Indicator (LED)	15	Talking volume Adjustment
4	Monitoring Button	10	Menu Button	16	Power Switch
5	No function	11	Select Button	17	No function
6	Microphone	12	UP Button	18	External Connection Terminal

* Calling Volume Adjustment : Use to adjust calling sound from door unit.

* Talking Volume Adjustment : Use to adjust talking volume with door unit.

* You can adjust brightness, contrast, color of display with menu, select buttons.




* Camera setting : Possible to use 2 cameras, by pulling out the jumper on back of monitor.

* **Note : Monitor is set to use 1 camera when it is manufactured.**





4. Operation

■ Visitor calls


1. When a visitor presses the call button on the camera, the monitor emits the chime melody and shows the visitor's image on the screen.
2. Press the TALK() button to talk with the visitor.
(Maximum 60 seconds are given to talk with the visitor.)
3. To finish talking with a visitor, press TALK() button to turn off the screen and quit the talk mode(return to stand-by mode).
4. While you are talking with the visitor, press DOOR OPEN() button to open the door.
When the door is opened, you will hear beep sound.

■ Talking with interphone.

1. On stand-by mode, press TALK button. You will hear beep sound and will see picture of speaker on the screen.
Press INTERPHONE() button to call interphone. You are able to talk after the interphone is picked up. (Maximum 60 seconds are given to talk with interphone.)
2. In the case that the interphone calls the monitor, electronic melody sounds from the monitor.
Press TALK() button to talk with interphone.
3. When you receive a call from door camera while the monitor and interphone are in calling, the monitor shows the visitor's image, and it is available to talk between monitor, interphone and door camera.

Note : When you finished to talk with visitor or interphone, you must press the TALK button to turn off the talking mode.

■ Monitoring

1. Press MONITOR() button to see image from the door camera.
(Monitoring is continued for 30 seconds.)
2. You may connect up to 2 cameras, and when you press MONITOR button, the monitor shows Camera #1 ⇨ Camera #2 ⇨ Turned-off screen in sequence.

■ Adjustment of the brightness or color on the screen.

While on the talking or monitoring mode, you can adjust the display using buttons on right side of the monitor.

1. Press MENU button to see the main menu display.
2. Press UP/DOWN button to move and press SELECT button to enter to the menu.
3. Press UP/DOWN button to adjust the volume.
4. Press SELECT button to save and return to main menu.
5. Press MENU button to quit from menu mode

■ Save of video or image while on monitoring or talking mode.

1. To save as video. (Max. 10 EA, each 5 seconds of videos are saved) Press and hold the SELECT button, to enter RECORD mode. When you enter RECORD mode, the word ' record' is shown up and disappear on right-top side of the screen.
2. To save as picture. (Max. 128 cut of images are saved). Press briefly the SELECT button, to enter CAPTURE mode. When you enter CAPTURE mode, the word ' capture' is shown up and disappear on right-top side of the screen. After saving all 128 images, new image is over-written from the 1st saved image.

■ Watching saved video or image, after monitoring or talking.

1. Press and hold the MENU button on right side of monitor, and you will see the saved video or images.
2. Use UP/DOWN button to select the video or file you want to see.

Note : 1. MENU button : Enter or quit from the screen adjustment menu.

- 1.1. When you press the MENU button briefly, the screen displays Main menu.
- 1.2. TIME : Used to adjust the time.
- 1.3. DELETE ALL : Used to delete all saved video and images at once.
- 1.4. AUTO SAVE : Used to set automatic save of image from door camera.
- 1.5. LANGUAGE : Used to select the language (English/Russian)
- 1.6. FACTORY SET : Used to delete all the saved data and return all settings to default.
- 1.7. EXIT : Used to quit from menu.

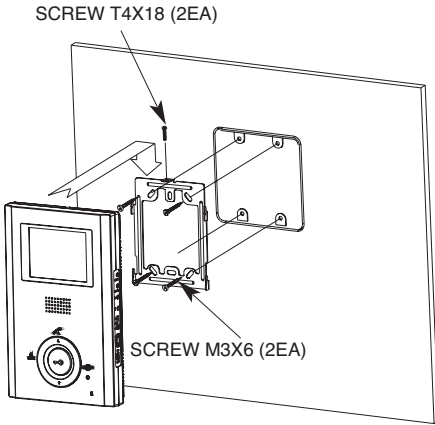
2. SELECT button : Select detailed menu and move to previous menu.

3. UP/DOWN button : Move between detailed menu and adjustment of volume

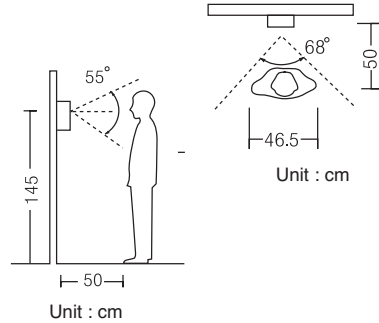


5. Installation and Wiring

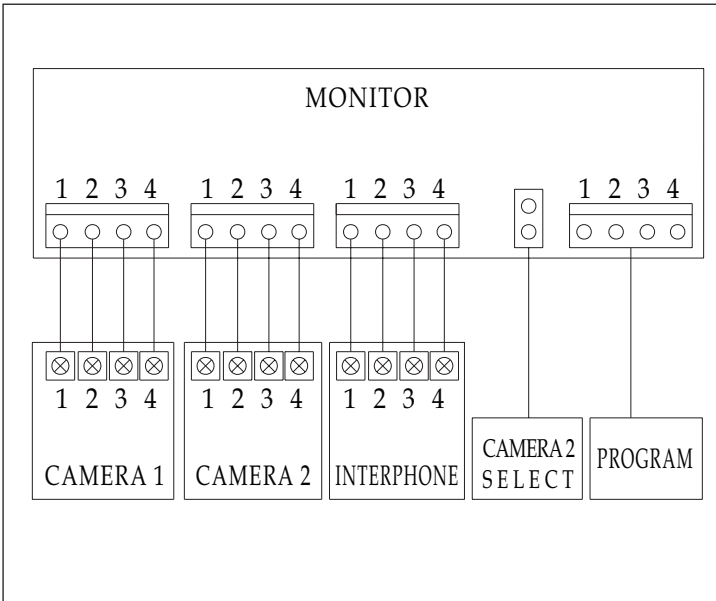
1) Monitor Installation



2) Standard Height of Monitor



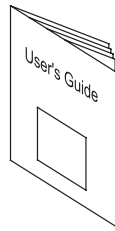
3) Wiring Diagram



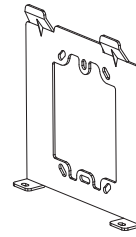
6. Package Contents



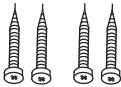
Monitor



Manual



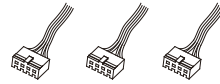
Bracket



T4X18
Wall bracket
Mounting Screw



M3X6
Monitor
Fixing Screw



Connector
4p(3EA)

7. Specifications

Model	CDV-35HM
Wiring	CAMERA: 4wires, INTERPHONE 4wires
Power source	AC 110-220V 50/60Hz (FREE VOLTAGE)
Power consumption	MAX: 10W, Stand-by: 4.9W
Communication way	HANDS FREE type (Voice Switch)
Display	3.5" COLOR TFT-LCD
Call sound	COMMAX chime : 2 times Interphone : Electric chime
Video duration time	Stand-by : 30 seconds, On the line : 60 seconds
Distance	Entrance: 50m (Ø0.65), Interphone: 20m (Ø0.65)



8. Trouble shooting.

If you think that the product has trouble, please first check below contents before you ask a repair.

Troubles	Check Point	Actions
<ul style="list-style-type: none">• The power supply is not on.• All works are stopped	<ol style="list-style-type: none">1.The power supply cord is missing or not.2.The power supply switch (down) is off or not.	<ol style="list-style-type: none">1. Please connect the power supply cord2. Please turn on the power supply switch (down) pushing to the right.
<ul style="list-style-type: none">• A Call operation is not performed. (Door, Interphone function)	<ol style="list-style-type: none">1.The wiring between other units is connected correctly in good order or not.2. The wiring is missing or not.	<ol style="list-style-type: none">1. Please refer to connection related page and manage.2. Please connect correctly to the terminal.
<ul style="list-style-type: none">• The product does not produce the sound. (Call volume, Talk volume)	<ol style="list-style-type: none">1. A sound volume lies in minimum or not.	<ol style="list-style-type: none">1. Please adjust the sound volume properly turning to the up, as you want.
<ul style="list-style-type: none">• The screen is dark.• The screen is strange.	<ol style="list-style-type: none">1. There is a strong reflected light behind the visitor or not.2. The screen control is adjusted correctly.	<ol style="list-style-type: none">1. Please change the angle of camera lens.

COMMAX

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


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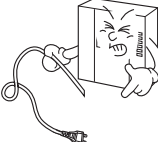



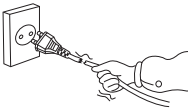





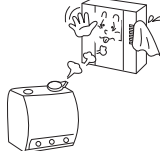



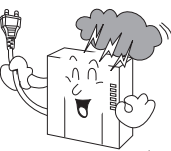






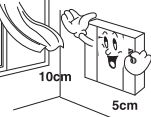


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Please follow the things described below in order to prevent any danger or property damage.

 <p>Warning It may cause a serious damage or injury if violated.</p>  <p>Caution It may cause a minor damage or injury if violated.</p>	<ul style="list-style-type: none">  Prohibition.  No disassembly  No touch  Must follow strictly.  Shows plugging out the power cord without an exception  Shows the warning and caution for an electric shock.  Shows the warning and caution for a fire.
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Warning

Power & Installation	<p>Please don't use several products at the same time on one power socket.</p> <ul style="list-style-type: none"> It may cause a fire due to an abnormal overheating.  <p> </p>	<p>Please don't bend the power cable excessively or it may cause an electric shock.</p> <ul style="list-style-type: none"> fire when using a damaged power cable.  <p>  </p>	<p>Please don't handle the power cable with a wet hand.</p> <ul style="list-style-type: none"> It may cause an electric shock.  <p> </p>	<p>Please plug out the power cable from the socket when not using it for a long period of time.</p> <ul style="list-style-type: none"> It may shorten the product lifespan or cause a fire.  <p> </p>
	<p>Please don't install the product in the place where there is much oil, smoke or humidity.</p> <ul style="list-style-type: none"> It may cause an electric shock or fire.  <p>  </p>	<p>Please don't install the product with the lightning and thunder.</p> <ul style="list-style-type: none"> It may cause an electric shock or fire.  <p>  </p>	<p>Please don't use and connect this product with other products with different rated voltage</p> <ul style="list-style-type: none"> It may cause a disorder or fire.  <p> </p>	<p>When installing the product that generates heat, please install the product away from the wall (10cm) for the ventilation.</p> <ul style="list-style-type: none"> It may cause a fire due to the increased internal temperature.  <p> </p>

! Warning

Cleaning & Use

Please don't disassemble, repair or rebuild this product arbitrarily (please contact the service center if a repair is needed).

- It may cause an electric shock or fire.



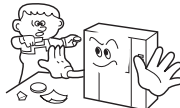
If an abnormal sound, burning smell or smoke is coming out of the product, please plug out the power cable and contact a service center.

- It may cause an electric shock or fire.



Please don't insert any metallic or burnable materials into the ventilation hole.

- It may cause an electric shock or fire.



Please use only the designated batteries for the products of using DC power.

- It may cause an electric shock or fire.

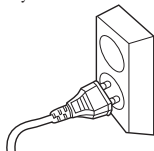


! Caution

Power & Installation

Please plug the power cable firmly into the inner end

- It may cause a fire.



Please hold the plug tightly when unplugging the power cable (a part of the copper wire may be disconnected if the grabbing is only made on the cord when pulling out the cable).

- It may cause an electric shock or fire



When connecting the power cables after cutting the product with power off

- It may cause an electric shock or fire

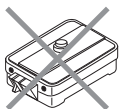


When installing the product, please fix it firmly while using the wall-mounting unit and screws.

- It may cause an injury from the falling object.



Please be careful when using an AC circuit breaker since there is a possibility of an electric shock.



Please check the use voltage and current for the DC-only products and use the appropriate rectifier.

- It may cause a fire.



Please avoid direct rays of the sun or heating devices at a time of installation.

- It may cause a fire.



Please don't install the product on an unstable place or small support board.

- It may cause an injury if it falls down while in use.



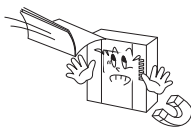
Cleaning & Use

When cleaning the product, please rub it with a soft and dry cloth after plugging out the power cable. (Please don't use any chemical products such as wax, benzene, alcohol or cleanser.)



Please don't drop the product on the ground and don't apply a shock.

- It may cause a failure.

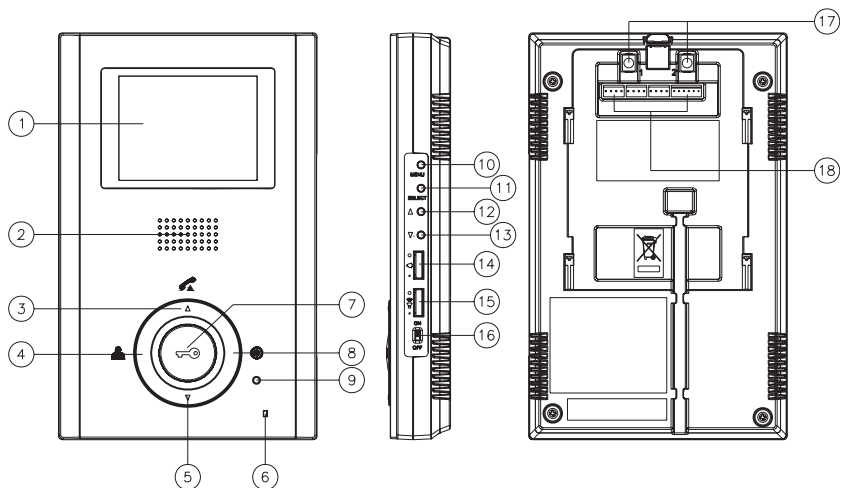


Please use the designated connection cable within the maximum calling distance designated for the product

- It may reduce the product performance.



3. Part names and functions






No.	Part Name	No.	Part Name	No.	Part Name
1	Monitor	7	Door Open Button	13	DOWN Button
2	Speaker	8	Interphone Button	14	Calling volume Adjustment
3	Talk Button	9	Power Indicator (LED)	15	Talking volume Adjustment
4	Monitoring Button	10	Menu Button	16	Power Switch
5	No function	11	Select Button	17	No function
6	Microphone	12	UP Button	18	External Connection Terminal

- * Calling Volume Adjustment : Use to adjust calling sound from door unit.
- * Talking Volume Adjustment : Use to adjust talking volume with door unit.
- * You can adjust brightness, contrast, color of display with menu, select buttons.
- * Camera setting : Possible to use 2 cameras, by pulling out the jumper on back of monitor.
- * **Note : Monitor is set to use 1 camera when it is manufactured.**





4. Operation

■ Visitor calls


1. When a visitor presses the call button on the camera, the monitor emits the chime melody and shows the visitor's image on the screen.
2. Press the TALK() button to talk with the visitor.
(Maximum 60 seconds are given to talk with the visitor.)
3. To finish talking with a visitor, press TALK() button to turn off the screen and quit the talk mode(return to stand-by mode).
4. While you are talking with the visitor, press DOOR OPEN() button to open the door.
When the door is opened, you will hear beep sound.

■ Talking with interphone.

1. On stand-by mode, press TALK button. You will hear beep sound and will see picture of speaker on the screen.
Press INTERPHONE() button to call interphone. You are able to talk after the interphone is picked up. (Maximum 60 seconds are given to talk with interphone.)
2. In the case that the interphone calls the monitor, electronic melody sounds from the monitor.
Press TALK() button to talk with interphone.
3. When you receive a call from door camera while the monitor and interphone are in calling, the monitor shows the visitor's image, and it is available to talk between monitor, interphone and door camera.

Note : When you finished to talk with visitor or interphone, you must press the TALK button to turn off the talking mode.

■ Monitoring

1. Press MONITOR() button to see image from the door camera.
(Monitoring is continued for 30 seconds.)
2. You may connect up to 2 cameras, and when you press MONITOR button, the monitor shows Camera #1 ⇨ Camera #2 ⇨ Turned-off screen in sequence.

■ Adjustment of the brightness or color on the screen.

While on the talking or monitoring mode, you can adjust the display using buttons on right side of the monitor.

1. Press MENU button to see the main menu display.
2. Press UP/DOWN button to move and press SELECT button to enter to the menu.
3. Press UP/DOWN button to adjust the volume.
4. Press SELECT button to save and return to main menu.
5. Press MENU button to quit from menu mode

■ Save of video or image while on monitoring or talking mode.

1. To save as video. (Max. 10 EA, each 5 seconds of videos are saved) Press and hold the SELECT button, to enter RECORD mode. When you enter RECORD mode, the word ' record' is shown up and disappear on right-top side of the screen.
2. To save as picture. (Max. 128 cut of images are saved). Press briefly the SELECT button, to enter CAPTURE mode. When you enter CAPTURE mode, the word ' capture' is shown up and disappear on right-top side of the screen. After saving all 128 images, new image is over-written from the 1st saved image.

■ Watching saved video or image, after monitoring or talking.

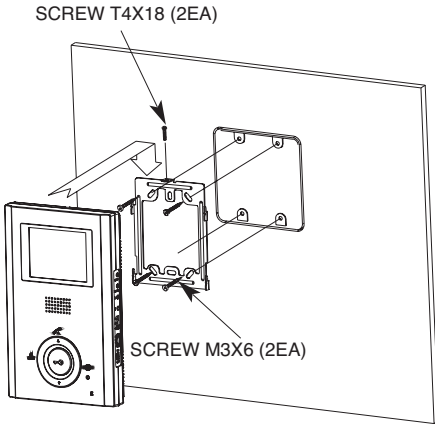
1. Press and hold the MENU button on right side of monitor, and you will see the saved video or images.
2. Use UP/DOWN button to select the video or file you want to see.

Note : 1. MENU button : Enter or quit from the screen adjustment menu.

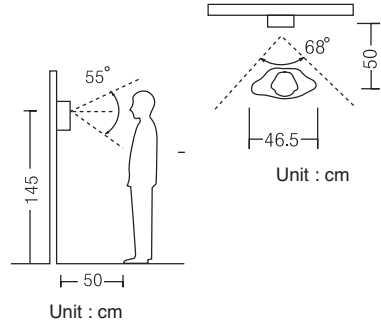
- 1.1. When you press the MENU button briefly, the screen displays Main menu.
 - 1.2. TIME : Used to adjust the time.
 - 1.3. DELETE ALL : Used to delete all saved video and images at once.
 - 1.4. AUTO SAVE : Used to set automatic save of image from door camera.
 - 1.5. LANGUAGE : Used to select the language (English/Russian)
 - 1.6. FACTORY SET : Used to delete all the saved data and return all settings to default.
 - 1.7. EXIT : Used to quit from menu.
2. SELECT button : Select detailed menu and move to previous menu.
 3. UP/DOWN button : Move between detailed menu and adjustment of volume

5. Installation and Wiring

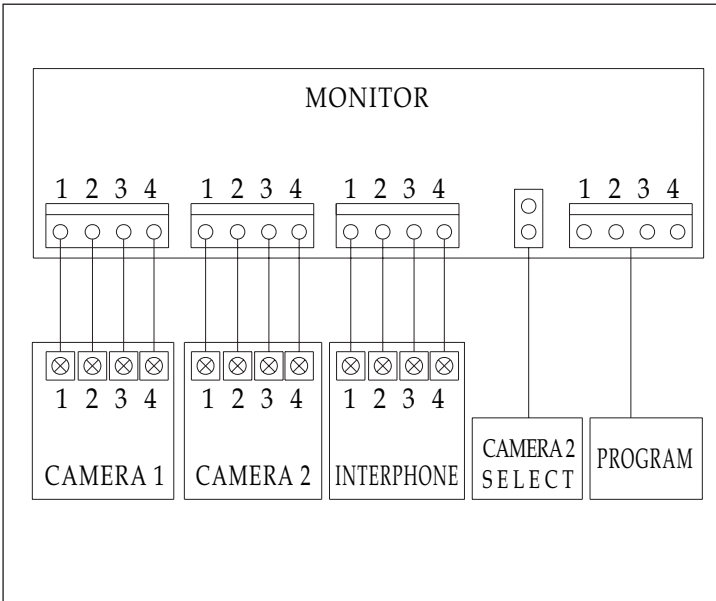
1) Monitor Installation



2) Standard Height of Monitor



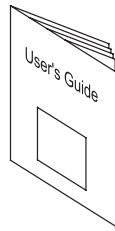
3) Wiring Diagram



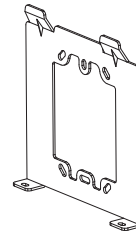
6. Package Contents



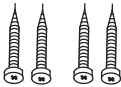
Monitor



Manual



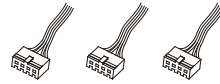
Bracket



T4X18
Wall bracket
Mounting Screw



M3X6
Monitor
Fixing Screw



Connector
4p(3EA)

7. Specifications

Model	CDV-35HM
Wiring	CAMERA: 4wires, INTERPHONE 4wires
Power source	AC 110-220V 50/60Hz (FREE VOLTAGE)
Power consumption	MAX: 10W, Stand-by: 4.9W
Communication way	HANDS FREE type (Voice Switch)
Display	3.5" COLOR TFT-LCD
Call sound	COMMAX chime : 2 times Interphone : Electric chime
Video duration time	Stand-by : 30 seconds, On the line : 60 seconds
Distance	Entrance: 50m (Ø0.65), Interphone: 20m (Ø0.65)



8. Trouble shooting.

If you think that the product has trouble, please first check below contents before you ask a repair.

Troubles	Check Point	Actions
<ul style="list-style-type: none">• The power supply is not on.• All works are stopped	<ol style="list-style-type: none">1.The power supply cord is missing or not.2.The power supply switch (down) is off or not.	<ol style="list-style-type: none">1. Please connect the power supply cord2. Please turn on the power supply switch (down) pushing to the right.
<ul style="list-style-type: none">• A Call operation is not performed. (Door, Interphone function)	<ol style="list-style-type: none">1.The wiring between other units is connected correctly in good order or not.2. The wiring is missing or not.	<ol style="list-style-type: none">1. Please refer to connection related page and manage.2. Please connect correctly to the terminal.
<ul style="list-style-type: none">• The product does not produce the sound. (Call volume, Talk volume)	<ol style="list-style-type: none">1. A sound volume lies in minimum or not.	<ol style="list-style-type: none">1. Please adjust the sound volume properly turning to the up, as you want.
<ul style="list-style-type: none">• The screen is dark.• The screen is strange.	<ol style="list-style-type: none">1. There is a strong reflected light behind the visitor or not.2. The screen control is adjusted correctly.	<ol style="list-style-type: none">1. Please change the angle of camera lens.

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