

Digital Color Camera Series
DSP
Digital COLOR VIDEO CAMERA Color CCD
DIGITAL
OWNER'S MANUAL

User Information
CAUTION RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICE TO QUALIFIED SERVICE PERSONNEL.

Explanation of the Symbols
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of unshielded "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

THE GRAPHIC SYMBOLS WITH SUPPLEMENTARY MARKING ARE ON THE BOTTOM OF THE SYSTEM.
"WARNING TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THE UNIT TO RAIN OR MOISTURE"

Contents
1. SAFETY INSTRUCTIONS
2. PRECAUTIONS
3. FEATURES
4. NAME AND FUNCTIONS
5. OPERATING CAMERA
6. INSTALLATION LENS
7. CONNECTIONS
8. COMPOSITION
9. SPECIFICATIONS

1. SAFETY INSTRUCTIONS
Read all of the safety and operating instructions before using the product.
Do not place this product on a unstable cart, stand, or table. The product may fall causing serious injury to a child or adult, and damage to the product.
Use only with a cart or stand recommended by the manufacturer, and read the instructions for use.
Use the product in a well-ventilated area.
Do not use the product near water or moisture (for example near a bathtub, wash-bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.)
This product should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power source to use, contact your dealer or local power supply.

2. PRECAUTIONS
Handling
Do not disassemble the camera and never touch each inside the camera.
Do not drop the camera or subject it to shocks and vibration to avoid possible damage.
When attaching or removing the lens, handle with care to avoid moisture and dust or dirt on the lens.
Avoid installing in places where the camera is exposed to heat and moisture.
Avoid installing in places where the camera is exposed to strong vibrations.
Never expose the camera to rain and water.

3. FEATURES
High Sensitivity 1/3 inch Sony Super HAD CCD
Fluorescence Filter (2, 30 IR) 0.1 Lux (Color)
0.03 Lux (IR, CR)
On-Screen Display
Performance Menu on LCD
Priority Zone Selectable (4 Programmable Zone)
Motion Detection Selectable (4 Programmable Zone)
Changeable Enhanced Sensitive
 Flickers Selectable
Gamma Enhanced Selectable
 BLC Zone Selectable (64 Programmable Zone)

4. NAME AND FUNCTIONS
CS Mount Holding Screw
C-Mount Lens Adapter
Holder Screw Hole
Power Input Terminal
Power LED
Lens Selection Switch
Video Out Jack
Power AC IN

5. OPERATING CAMERA
Setting up the Menu
Press MENU key in ON or OFF state.
Press MENU key in CAMERA ID.
Press MENU key in SETUP MODE.
Press MENU key in CAMERA ID.
Press MENU key in SETUP MODE.
Press MENU key in CAMERA ID.
Press MENU key in SETUP MODE.

6. INSTALLATION LENS
Remove the lens cap from the camera.
Attach or remove the C-mount adapter depending on the lens to be used.
Attach the lens to the lens mount. Secure it with the lens cap and set the focus.
Adjust the back-focus adjustment screw if necessary.
Adjust the lens to the focus position. Secure it with the lens cap and set the focus.
Adjust the back-focus adjustment screw if necessary.
Adjust the lens to the focus position. Secure it with the lens cap and set the focus.

7. CONNECTIONS
Connecting to Monitor
Connect UTP (Unshielded Twisted Pair) wire to the UTP output of the camera directly.
UTP power is necessary to connect UTP wire to Monitor or DVR.
When connecting UTP wire, make sure the polarity of the video signal.
Use UTP wire CAT5E/CAT6 to ensure best transmission quality.
The twisted-pair output cannot be used at the same time as the composite video output.
24VAC only.

8. COMPOSITION
Lens Connector Plug (E-41812100)
Lens Mount Cap
C-mount Adapter
Owner's Manual

9. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
Lens Mount
Electronic Shutter
White Balance
Lens
Camera ID

10. SAFETY INSTRUCTIONS
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11. USER INFORMATION
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12. CONTENTS
1. SAFETY INSTRUCTIONS
2. PRECAUTIONS
3. FEATURES
4. NAME AND FUNCTIONS
5. OPERATING CAMERA
6. INSTALLATION LENS
7. CONNECTIONS
8. COMPOSITION
9. SPECIFICATIONS

13. MAIN MENU - LENS
1) LENS setup
2) LENS setup (MANUAL DC VIDEO LENS)
3) LENS setup (MANUAL DC VIDEO LENS)

14. MAIN MENU - SHUTTER/AUTO MODE SETUP
1) SHUTTER setup (MANUAL DC VIDEO LENS)
2) AUTO / setup (MANUAL DC VIDEO LENS)

15. MAIN MENU - FIXED & MANUAL MODE SETUP
1) FIXED / setup (MANUAL DC VIDEO LENS)
2) MANUAL / setup (MANUAL DC VIDEO LENS)

16. MAIN MENU - WHITE BALANCE MODE SETUP
1) WHITE BALANCE setup
2) FIXED / setup
3) MANUAL / setup

17. MAIN MENU - ADJUST
1) ADJUST setup
2) CONTRAST setup
3) SHARPNESS setup
4) CR.GAIN setup

18. MAIN MENU - MOTION AREA 1
1) MOTION AREA setup
2) MOTION AREA MODE

19. MAIN MENU - MOTION AREA 2
1) MOTION AREA description
2) MOTION AREA description

20. MAIN MENU - LANGUAGE
1) LANGUAGE setup
2) LANGUAGE setup

21. MAIN MENU - FUNCTION
1) FUNCTION / setup
2) SELECT item using UP/DOWN button.
3) Press MENU button to RETURN.

22. MAIN MENU - BLC 1
1) BLC SETUP MODE
2) BLC AREA / setup
3) BLC AREA / setup

23. MAIN MENU - RESET
1) RESET
2) BLC AREA / setup

24. INSTALLATION LENS
1) Remove the lens mount cap from the camera.
2) Attach or remove the C-mount adapter depending on the lens to be used.
3) Attach the lens to the lens mount. Secure it with the lens cap and set the focus.
4) Adjust the back-focus adjustment screw if necessary.

25. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
Lens Mount
Electronic Shutter
White Balance
Lens
Camera ID

26. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
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Electronic Shutter
White Balance
Lens
Camera ID

27. MAIN MENU - FUNCTION
1) FUNCTION / setup
2) SELECT item using UP/DOWN button.
3) Press MENU button to RETURN.

28. MAIN MENU - BLC 2
1) BLC AREA MODE
2) BLC AREA / setup
3) BLC AREA / setup

29. MAIN MENU - BLC 3
1) BLC AREA MODE
2) BLC AREA / setup
3) BLC AREA / setup

30. Mounting a Lens
1) Remove the lens mount cap from the camera.
2) Attach or remove the C-mount adapter depending on the lens to be used.
3) Attach the lens to the lens mount. Secure it with the lens cap and set the focus.
4) Adjust the back-focus adjustment screw if necessary.

31. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
Lens Mount
Electronic Shutter
White Balance
Lens
Camera ID

32. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
Lens Mount
Electronic Shutter
White Balance
Lens
Camera ID

33. MAIN MENU - FUNCTION
1) FUNCTION / setup
2) SELECT item using UP/DOWN button.
3) Press MENU button to RETURN.

34. MAIN MENU - BLC 2
1) BLC AREA MODE
2) BLC AREA / setup
3) BLC AREA / setup

35. MAIN MENU - BLC 3
1) BLC AREA MODE
2) BLC AREA / setup
3) BLC AREA / setup

36. Mounting a Lens
1) Remove the lens mount cap from the camera.
2) Attach or remove the C-mount adapter depending on the lens to be used.
3) Attach the lens to the lens mount. Secure it with the lens cap and set the focus.
4) Adjust the back-focus adjustment screw if necessary.

37. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
Lens Mount
Electronic Shutter
White Balance
Lens
Camera ID

38. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
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Electronic Shutter
White Balance
Lens
Camera ID

39. MAIN MENU - FUNCTION
1) FUNCTION / setup
2) SELECT item using UP/DOWN button.
3) Press MENU button to RETURN.

40. MAIN MENU - AGC
1) AGC setup
2) AGC setup

41. MAIN MENU - DAY NIGHT 1
1) DAY NIGHT setup
2) DAY NIGHT setup

42. Mounting a Lens
1) Remove the lens mount cap from the camera.
2) Attach or remove the C-mount adapter depending on the lens to be used.
3) Attach the lens to the lens mount. Secure it with the lens cap and set the focus.
4) Adjust the back-focus adjustment screw if necessary.

43. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
Lens Mount
Electronic Shutter
White Balance
Lens
Camera ID

44. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
Lens Mount
Electronic Shutter
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Lens
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45. MAIN MENU - FUNCTION
1) FUNCTION / setup
2) SELECT item using UP/DOWN button.
3) Press MENU button to RETURN.

46. MAIN MENU - DAY NIGHT 2
1) DAY NIGHT setup
2) DAY NIGHT setup

47. MAIN MENU - DAY NIGHT 3
1) DAY NIGHT setup
2) DAY NIGHT setup

48. Mounting a Lens
1) Remove the lens mount cap from the camera.
2) Attach or remove the C-mount adapter depending on the lens to be used.
3) Attach the lens to the lens mount. Secure it with the lens cap and set the focus.
4) Adjust the back-focus adjustment screw if necessary.

49. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
Lens Mount
Electronic Shutter
White Balance
Lens
Camera ID

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MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
Lens Mount
Electronic Shutter
White Balance
Lens
Camera ID

51. MAIN MENU - FUNCTION
1) FUNCTION / setup
2) SELECT item using UP/DOWN button.
3) Press MENU button to RETURN.

52. MAIN MENU - DAY NIGHT 2
1) DAY NIGHT setup
2) DAY NIGHT setup

53. MAIN MENU - DAY NIGHT 3
1) DAY NIGHT setup
2) DAY NIGHT setup

54. Mounting a Lens
1) Remove the lens mount cap from the camera.
2) Attach or remove the C-mount adapter depending on the lens to be used.
3) Attach the lens to the lens mount. Secure it with the lens cap and set the focus.
4) Adjust the back-focus adjustment screw if necessary.

55. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
Lens Mount
Electronic Shutter
White Balance
Lens
Camera ID

56. SPECIFICATIONS
MODEL High Resolution PAL NTSC
Signal System
Image Sensor
Effective Pixels
Video Output
Sync System
Luminance S/N Ratio
Horizontal Resolution
Vertical Resolution
Min. Illumination (F1.2)
Lens Mount
Electronic Shutter
White Balance
Lens
Camera ID