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NOMENCLATURE

1. Retractable flash
2. Main switch
3. Shutter release button
4. Auto focus window
5. Self-timer indication LED
6. Lens
7. Manual power zoom button (tele/wide)
8. Spot AF button
9. Flash mode button
10. LCD panel
11. Zoom select button
12. Program select button
13. Drive button
14. Manual rewind button
15. EV compensation button

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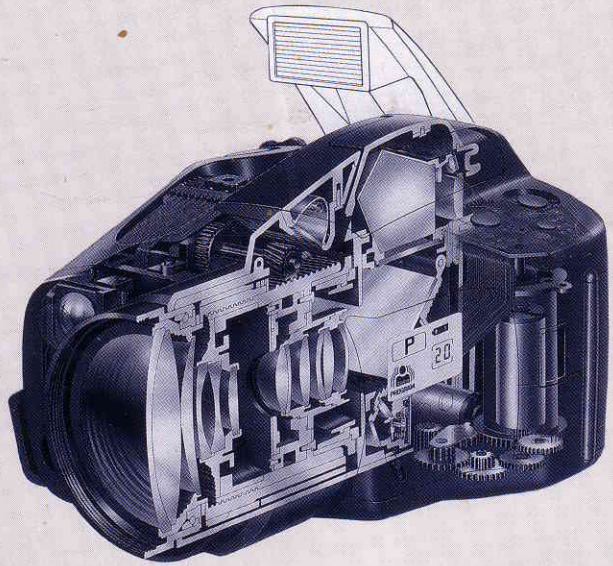
CHINON

Introductory Guide for the Chinon Genesis III/GS-9

The purpose of this booklet is to help you become more familiar with the unique features of the fabulous CHINON GENESIS III/GS-9. We hope its explanations will enable you to more fully understand all of the great features and technology of the CHINON GENESIS III/GS-9.

Chinon Industries Inc.



Concept of the Genesis III/GS-9

1. The main concept of the Genesis III/GS-9 is **total automation**, not only of the film loading, advancing and rewinding functions, but to make truly **automatic creative picture taking** a reality. The Chinon Genesis III/GS-9 therefore was designed based upon the remarkably **futuristic computer technology referred to as Fuzzy Logic**.
2. In spite of all the automation built into the Genesis III/GS-9, it was also **designed to respond to the demands of more advanced photographers** by providing for the possibility of manual control of the main independent features.
3. The primary potential users are people who are looking for **low end AF SLRs** or a **new concept Lens Shutter (L/S)** and/or **zoom compact L/S cameras**. The Genesis III/GS-9 is ideal for anyone who is looking for a fine camera with quality construction and more than just introductory features. The very features that make the Genesis III/GS-9 so sophisticated also make it one of the easiest camera of all time to operate no matter what the user's photographic experience might be.

Comparison Chart

		Genesis III/ GS-9	Low-End AF SLR	New Concept Zoom Compact L/S	Zoom Compact L/S
Q1	Image Program Composing Mode	Yes	No	No	No
Q2	Dual Mode AF (Multi AF+TTL)	Yes	No	No	No
Q3	Auto Close-Up	Yes	No	No	No
Q4	Tele-Converter Mode	Yes	No	No	No
Q5	Dual Mode Exp. Compensation Auto BLC/Fill-In Flash	Yes	No	No	No
Q6	TTL Finder	Yes	No	No	No
Q7	Selectable Triple Program Exposure	Yes	Possible	No	No
Q8	Focal Plane Shutter	Yes	Yes	No	No
Q9	Custom Functions	Yes	Possible but only Top-End AF SLR	No	No
Q10	Lens Interchange Capability	No	Yes	No	No

Q & A

Q1

Q: What is an **Image Program**?

A: It is a fully automatic picture composing system coupled with the Triple Programmed Auto Exposure (Standard, Landscape and Sport/Portrait Program AE systems).

Q: What will it do?

A: It produces creative pictures automatically by controlling the picture composition, shutter speed and aperture opening according to the inputted image conceived by the photographer.

Q: For beautiful portrait or sport photography, what has to be done?

A: Just select the Auto Composing Mode " " along with the Sport/Portrait Program AE " ". and shoot. The picture will be automatically composed with an emphasis on the telephoto angle for perfect portrait and sport photography composition while the faster shutter speed and wider aperture opening effectively create a combination that enhances the **creative image automatically**.

Q: For a beautiful scenic shot, what has to be done?

A: Select the Auto Composing Mode " " along with the Landscape Program AE " " and shoot. The picture will be composed automatically with a wider focal length, plus the Landscape Program AE provides a deeper depth of field to enhance the **creative landscape image automatically**. This mode is also ideal for people in groups as the Genesis III/GS-9 will compose the picture automatically to include everyone in the gathering.

Q: What is the most fool-proof shooting mode?

A: The Auto Composing Mode " " along with the Standard Program AE " **P** " is definitely the most fool-proof shooting mode. In this mode, the Genesis III/GS-9 will compose a picture to cover everyone in the viewfinder frame while the Standard Program Auto Exposure provides a fast enough shutter speed to avoid camera shake along with an adequate depth of field for sharp images from near to far. This shooting mode is ideal for general shooting occasions and great for spontaneous snap shots.

Q: How many different composing options can the Genesis III/GS-9 determine?

A: **Incredibly, 3255 different composing views** with individual compositional and exposure settings will be automatically selected by the camera.

Q: How was such a clever system developed?

A: **Because of Chinon's patented Multi AF system (US Patent #4740806 & patent pending in West Germany under #3709907 and Japan under #62-223734)** that sends out three independent infrared beams, the subject can be determined and sharply focused even if the subject is positioned off-center. A micro computer detects precisely where the subject is and controls the optimum picture composition for each situation. The **Auto Composing System, also patented by Chinon (US patent #4878080)**, was first incorporated in the Handyzoom Auto 5001. Now, the Genesis III/GS-9 incorporates an even **more advanced Auto Composing System** coupled with Triple Program Auto Exposure to **become the world's most fully automatic creative picture taking instrument**.

Q2

Q: What is Dual Mode AF? Does anyone else have it?

A: The Dual Mode AF (Patent Pending) is **the world's first DUAL AF system. It was devloped exclusively by Chinon** and is only available with the Genesis III/GS-9. It incorporates Chinon's patented Multi AF system and the TTL passive AF system into an instantaneously reacting focusing system.

Q: What's so good about it?

A: Both Active AF and Passive AF systems have advantages and disadvantages caused by various phyical conditions. **The only solution to totally eliminate all of the disadvantages of each system is to combine both systems into one**. See the chart below for advantages and disadvantages of each system.

Q: Is there any subject that cannot be brought into focus?

A: **Virtually none**. The combination of the Multi AF and TTL Passive AF systems is **designed based upon Fuzzy Logic**. It can precisely estimate where the **lens should be** set even if both systems cannot independently determine a particular focus. Simultaneously, the exposure will be controlled to provide a greater depth of field so that the sharpest image possible on the main subject will always be obtained. **The Dual Mode AF is definitely the best AF system available becauses it is the most versatile system and therefore the most accurate**.

Advantages and disadvantages of each AF System

Subject Situations	Ordinary Active AF	Multi AF	TTL Passive AF	Dual Mode AF
Low Contrast	●	●	▲	●
Total Darkness	●	●	×	●
Close-up or requiring more focusing accuracy	▲	▲	●	●
Through Glass	×	×	●	●
Off-center	×	●	×	●

● Works perfectly
▲ Works but potential limitations exist
× Does not work at all

Q3

Q: What is Auto Close-up?

A: In the Portrait/Sport Image Program Composing Mode (" " + " ") if the subject is positioned in the close-up range (0.85–1.0 meter (33.5–39.4") from the camera), and a picture is taken while pressing the Spot AF/Func. Button, **the Genesis III/GS-9 will automatically zoom to maximum telephoto to enhance the close-up image**.

Q4

Q: Tele converter Mode. What will it do?

A: The Genesis III/GS-9 has an optional Tele Converter that extends the focal length of the Genesis III/GS-9 **up to 154 mm**. When the Tele Converter is attached to the Genesis III/GS-9 and the Tele Converter Mode is selected, zooming will be restricted within the zoom range (110 mm to 154 mm) which will not cause the picture to be vignetted. It's a fool-proof mode for using the Tele Converter.

Q: What has to be done to activate this mode?

A: Simple. Press and hold the Function Button and then press the Zoom Button. The Tele Converter Mode is then activated. Pressing the Zoom Mode Button again will cancel it.

Q5

Q: What is Dual Mode Exposure Compensation?

A: When the subject has less light falling on it than the surrounding area (Backlighting condition), the Genesis III/GS-9 will compensate for the exposure on the main subject by using either the Automatic Back Light Control or the Automatic Fill-in Flash. When the flash of the Genesis III/GS-9 is in the operation position and is not strong enough to correctly compensate for the exposure, the Auto Back Light Control will also be activated to further compensate the exposure of the main subject to assure the proper exposure level.

Q6

Q: What is the advantage of a TTL viewfinder against optical finders?

A: Simple. The TTL viewfinder provides **a true view**, the view as actually seen through the picture taking lens. In other words, what you see in the TTL viewfinder is precisely what you will get on the picture. The TTL viewfinder **enables the photographer to visually confirm the focusing** while optical viewfinders found on compact L/S cameras cannot.

Q7

Q: Explain Triple Programmed Auto Exposure.

A: Exposure control is a **basic fundamental for creative picture taking**. When you want to take a photograph of beautiful scenery, you require a greater depth of field to obtain a sharp image from as near to the camera to infinity as possible for a creative landscape effect. Conversely, when you want to create a beautiful portrait, to focus on the vivid detail of the main subject, you would want to pin point the focusing on the main subject only and render the rest of the frame out of focus. To do so, you need to set a wider aperture opening to limit the depth of focus. The Triple Programmed Auto Exposure built into the Genesis III/GS-9 does such a control automatically.

Q: Is there a reason why L/S cameras do not have such a diverse exposure control system?

A: Because of their lens shutter construction, (in this system, the shutter blades also function as the aperture brades) it will not allow variable exposure programming. In other words, **with current L/S compact cameras**, **creative picture taking will be very much limited** to only a single programmed exposure mode. Since both of the shutter speeds and aperture are permanently linked in the lens shutter system, no flexibility for exposure control can be manually input. Each camera is designed with one system and although it can technically be adjusted with faster or slower speed films, the frame-to-frame flexibility of the Focal Plane Shutter system can only be found in the Genesis III.

Q: Does this mean that the current **L/S compact cameras cannot take creative pictures**?

A: **Frankly No**. Because they have only a single program exposure system, almost all the pictures will have a similar appearance as far as the exposure is concerned. The photographer's individual creative input as far as focus and subject motion will be severely curtailed.

Q8

Q: What are the advantages of the focal plane shutter?

A: The primary advantage of the focal plane shutter over the lens shutter system is the **fast shutter speed capability**. Due to the construction of the lens shutter system, it will not allow shutter speeds to be timed as fast as the focal plane shutter system. **The Genesis III/GS-9 has a shutter speed range of 1/1000 to 1 sec plus Bulb** while most L/S compact cameras can come up to only 1/300 or maybe 1/400 sec as their fastest possible shutter speeds.

Q: Does this mean again that the lens shutter system limits creative picture taking?

A: Exactly! And especially when you want to freeze the motion! The lens shutter system can marginally stop some motion, but with the focal plane shutter, it's easier and more effective. So the creative illusion of stopping motion will be much more evident when comparing shots taken with focal plane and lens shutter systems. Additionally, since both shutter and aperture are totally independant, depth of field and shutter speed can be controlled with the Genesis III.

Q9

Q: Custom Functions. What do they do?

A: In spite of the Genesis III's fully automatic capability, the Genesis III/GS-9 can be programmed for any of 12 different shooting combination preferences.

Q: Please be more specific.

A: When the Genesis III/GS-9 is assembled at the factory, the camera is programmed for the Standard Shooting Mode, namely the combination of the Standard Program AE and the Auto Composing Mode (" P "+" "). with Single Frame Film Advance. Unless the factory's Standard Shooting Mode programming is overriden by your own programming, no matter what mode you are using, once the camera is turned OFF and back On again, the programmed Standard Shooting Mode will be activated each time. If you wish to select another shooting mode as your Standard Shooting Mode, you can program the camera to reset to your particular artistic preference each time the camera is switched ON.

Q: What do I have to do to set my own Standard Shooting Mode?

A: Very simple. Just select the desired shooting mode while the camera is turned ON. Then turn the camera OFF while pressing the Function Button. The mode you selected has now been programmed into memory. Any time that the camera is turned ON, this programmed mode will automatically be recalled and activated.

Q: How many different combinations are available for the individual Standard Shooting Modes?

A: Twelve different shooting mode combinations can be choosen from the following seven independent feature combinations:

1. Standard Program AE
2. Portrait/Sport Program AE
3. Landscape Program AE
4. Auto Zoom Composing Mode
5. Manual Power Zooming Mode
6. Single Frame Advance
7. Continuous Shooting Mode

Q: What has to be done to cancel my own programming and go back to the factory's Standard Shooting Mode?

A: Simple again. Turn the Main Switch to ON while pressing the camera's Function Button. That's all that's needed to cancel your own programming and return the camera to the factory's Standard Shooting Mode.

Q10

Q: Why doesn't the Genesis III/GS-9 have lens interchangeability?

A: **Because there is no need to**. Chinon feels that for the majority of photographers, the lens focal length of 38–150 mm should be more than enough even for the most creative picture shooting. The majority of the customers who purchase low end AF SLRs think that they will purchase additional interchangeable lenses in the future but they never do. Since this is a statistic reality, it's more practical to integrate a 3× zoom lens in a compact camera body and that's what CHINON has done. And, with an optional Tele Converter, the focal length can be extended to 154 mm which is more than versatile enough for all kinds of great photo opportunities.

Q: What is the advantages of an integrated zoom lens system compared to conventional interchangeable zoom lens systems?

A: The simplest advantage of the integrated zoom lens system is that **the camera itself can control all the functions of the zoom lens including automatic focal length changes (auto Composing)**. With lens interchangeable SLRs, it is not possible to control all of the functions of the lens from the camera body due to the lens mount system. In other words, **the Auto Composing System cannot be incorporated with current interchangeable lens technology SLRs** unless they change their mounting system and create a totally new lens system for it.

Optional Accessories available for the Chinon Genesis III/GS-9.

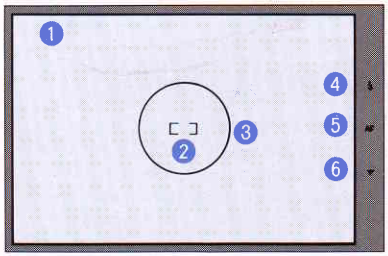
1. 1.4× Tele Converter
2. Slave Bracket SE-620
3. External Flash GS-320 with built-in slave unit
4. Exclusively designed soft case.
5. Exclusively designed hard case.
6. Deluxe Strap with the CHINON logo.

The Genesis III/GS-9 accepts filters, special effects lenses and lens hoods of 58 mm diameter.

SPECIFICATIONS

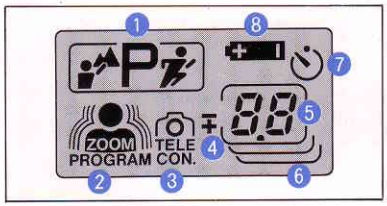
MAIN FEATURES: –35 mm TTL finder zoom camera
–38–110 mm zoom lens
–Auto programmed zoom
–Hybrid auto focusing system
–Fully motorized film transport
–Built-in sensor flash
–TTL metering multi mode program AE
–Built-in LCD
FILM TYPE: 135 mm—size film
PICTURE SIZE: 24×36 mm
LENS: Aperture ratio: F/4.4–5.6
Focal length: f/38 mm–110 mm
Lens construction: 12 elements in 11 groups
Macro: Yes: 0.85 m (33.5″) at tele position (1:5.5)
Zooming: 3 modes: auto programmed zoom, manual power zoom, tele zoom
FINDER: Type: TTL finder
Finder screen: Fine matte screen
Magnification: 0.73× (50 mm inf.)
Coverage: Vertical: 85%, Horizontal: 85%
Diopter: –1.0
VF indication: AF indicator: multi AF OK signal, near warning, spot AF OK signal, near warning
Exposure indicator: Slow speed warning, bulb mode signal
Flash indicator: Flash sync. signal, recharging signal
Finder mirror: Motorized quick return mirror
FOCUSING SYSTEM: Type: Combination AF: TTL phase-differential detection/Multi AF
Focus lock/cancellation: Yes
Focus range: 0.85 m (33.5″)—inf.
SHUTTER: Type: Seiko electromagnetic vertical running focal plane shutter
Type of shutter release: Electromagnetic release
Shutter speed range: 1–1/1000 sec.
Shutter bulb: Yes
Release operation: Focus priority
EXPOSURE METER: Type: TTL metering system
Exposure control: 5 modes: normal, action, creative, slow sync., flash program
Photo cell: Two divided SPD (1)
Exposure range: W: EV 4.2–EV 18.8 (ISO 100), T: EV 5–EV 20 (ISO 100)
Film speed sensing: DX film sensing: ISO 25–3200
ISO 25: ISO 25 to 40, ISO 50: ISO 50 to 80, ISO 100: ISO 100 to 160, ISO 200: ISO 200 to 320, ISO 400: ISO 400 to 640, ISO 1000: ISO 800 to 1250, ISO 1600: ISO 1600 to 2500, ISO 3200: ISO 3200 to 5000, Non DX film to ISO 25 setting
Exposure compensation: Yes: +/– 2 EV (0.5 EV step)
Shutter speed limit: Flash program: max. 1/38–1/100 sec. Others: max. 1 sec.
Bulb exposure: Yes
TRANSPORT: Film loading: Auto loading
First frame setting: Automatic setting by closing film door
Film winding: Motorized winding
Shooting mode: 2 modes: single, continuous (approx. 1.5 frame/sec.)
Film rewinding: Motorized rewinding
Rewinding actuation: Automatic (Mid roll possible)
Rewinding stop: Automatic
Rewind button: Built-in
Frame counter: by LCD panel
FLASH: Type: Retractable sensor flash
Flashmatic: Yes
Auto recharging: Yes
Flash GN: GNO. 14 (ISO 100·meter)
Effective range: W: 0.85 m–5.1 m (33.5″–16.7′) (ISO 100), T: 0.85 m~4.0 m (33.5″–13.1′) (ISO 100)
Off flash mode: Yes
Fill flash mode: Yes
Recycle time: Approx. 4 sec.
OTHER FEATURES: Power source: Lithium battery pack (2CR5×1): customer replaceable
Battery check: Yes: on LCD panel/release lock out
Film door window: Built-in
Tripod screw: Built-in: U-1/4″
Self-timer: Built-in: approx. 10 sec.
Multi-exposure: Yes
LCD indication: Built-in: Frame counter including film transporting signal, Photographing mode indication: continuous mode, multiple exposure, self-timer
Exposure mode indication: normal program, action program, creative program
Zoom mode indication: programmed, manual power, tele zoom
Exposure compensation indication
Battery indication
Auto power shut off: Yes: approx. 60 sec.
Strap: Hand/neck strap
Filter: Attachable: ϕ58
Lens hood: Attachable: ϕ58
Converter lens: Attachable: Tele converter (1.4×)
Size: 126.5(W)×84.5(H)×126.5(D) mm (5.1×3.4×5.1″)
Weight: 710 g (25.0 oz) (without battery)
Operation button: Mode button: exposure mode, photography mode, programmed zoom mode
Function button: main switch, rewind button, exposure compensation button, zoom button, flash switch, central spot button

Specifications subject to change without notice



Viewfinder Information

① Viewfinder frame
② Autofocus frame
③ Evaluative metering central measuring area
④ Flash Ready Signal
⑤ AF OK signal
⑥ Slow Shutter Speed Warning



LCD Panel Display

① Image Program Mode/ Program AE indication
② Auto Composing Mode
③ Tele Converter Mode
④ Exposure Compensation Indication
⑤ Frame Counter
⑥ Continuous Shooting Mode
⑦ Self-timer Mode
⑧ Battery Check Mark