

	Fenix 5s	Fenix 5	Fenix 5X
General			
Lens Material	glass or sapphire crystal	glass or sapphire crystal	sapphire crystal
Bezel Material	stainless steel	stainless steel	stainless steel
Case material	polymer - stainless steel cover	polymer - stainless steel cover	polymer - stainless steel cover
QuickFit™ watch band compatible	yes (20 mm)	yes (22 mm)	yes (26 mm)
Strap material	silicone, suede or steel	silicone or steel	silicone or steel
Physical size	42 x 42 x 15 mm	47 x 47 x 15.5 mm	51 x 51 x 17.5 mm
Weight	silicone band: 67 g metal band: 125 g	silicone band: 85 g metal band: 156 g	silicone band: 98 g metal band: 196 g
Water rating	10 ATM	10 ATM	10 ATM
Display type	sunlight-visible, transfective	sunlight-visible, transfective	sunlight-visible, transfective
Display size	27.94 mm diameter	30.4 mm diameter	30.4 mm diameter
Display resolution	218 x 218 pixels	240 x 240 pixels	240 x 240 pixels
Colour display	yes	yes	yes
Battery life : Smartwatch mode	Up to 9 days	Up to 2 weeks	Up to 12 days
Battery life: GPS/HR mode	Up to 14 hours	Up to 24 hours	Up to 20 hours
Battery life: UltraTrac™ mode	Up to 35 hours without heart rate	Up to 60 hours without wrist heart rate	Up to 35 hours without wrist heart rate
Memory/History	64 MB	64 MB	16 GB
Clock Features			
Time/date	yes	yes	yes
GPS Time Sync	yes	yes	yes
Automatic daylight saving time	yes	yes	yes
Alarm clock	yes	yes	yes
Timer	yes	yes	yes
Stopwatch	yes	yes	yes
Sunrise/sunset times	yes	yes	yes
Face It™ watch face creator	yes	yes	yes
Sensors			
GPS	yes	yes	yes
GLONASS	yes	yes	yes
Garmin Elevate™ wrist heart rate monitor	yes	yes	yes
Barometric altimeter	yes	yes	yes
Compass	yes	yes	yes
Gyroscope	yes	yes	yes
Accelerometer	yes	yes	yes
Thermometer	yes	yes	yes
Daily Smart Features			
Connectivity with SAPPHERE editions only	Bluetooth® Smart, ANT+®, Wi-Fi®	Bluetooth® Smart, ANT+®, Wi-Fi®	Bluetooth® Smart, ANT+®, Wi-Fi®
Connect IQ™	yes	yes	yes
Smart notifications	yes	yes	yes
Calendar	yes	yes	yes
Weather	yes	yes	yes
Music controls	yes	yes	yes
Find My Phone	yes	yes	yes
Find My Watch	yes	yes	yes
VIRB® remote	yes	yes	yes
Smartphone compatibility	iPhone®, Android™, Windows®	iPhone®, Android™, Windows®	iPhone®, Android™, Windows®
Compatible with Garmin Connect™ Mobile	yes	yes	yes
Boating Features			
Preloaded Boating Profiles	Boating	Boating	Boating
Activity Tracking Features			
Step counter	yes	yes	yes
Move bar	yes	yes	yes
Auto goal	yes	yes	yes
Sleep monitoring	yes	yes	yes
Calories burned	yes	yes	yes
Floors climbed	yes	yes	yes
Distance traveled	yes	yes	yes
Intensity minutes	yes	yes	yes
TrueUp™	yes	yes	yes
Move IQ™	yes	yes	yes
Fitness Age	yes (in app)	yes (in app)	yes (in app)
Fitness Equipment/Gym			
Preloaded gym activity profiles	Indoor Rowing, Strength, Cardio	Indoor Rowing, Strength, Cardio	Indoor Rowing, Strength, Cardio
Cardio workouts	yes	yes	yes
Strength workouts	yes	yes	yes
Automatic rep counting	yes	yes	yes
Training, Planning and Analysis Features			
GPS speed and distance	yes	yes	yes
Customizable data pages	yes	yes	yes
Customizable activity profiles	yes	yes	yes
Auto Pause®	yes	yes	yes
Advanced workouts	yes	yes	yes
Downloadable training plans	yes	yes	yes
Auto Lap®	yes	yes	yes
Manual lap	yes	yes	yes
Virtual Partner	yes	yes	yes
Configurable lap alerts	yes	yes	yes
V02 max	yes	yes	yes
Training Status	yes	yes	yes
Training Load	yes	yes	yes
Training Effect (aerobic)	yes	yes	yes
Training Effect (anaerobic)	yes	yes	yes
Customizable alerts	yes	yes	yes
Audio prompts	yes	yes	yes
Finish time	yes	yes	yes
Race an Activity	yes	yes	yes
Course guidance	yes	yes	yes
Segments (Live, Garmin)	yes	yes	yes
LiveTrack	yes	yes	yes
Group LiveTrack	yes	yes	yes
Touch and/or button lock	yes	yes	yes
Round-trip course creator (running/cycling)	no	no	yes
Hot keys	yes	yes	yes
Auto scroll	yes	yes	yes
Activity history on watch	yes	yes	yes

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Heart Rate Features			
HR zones	yes	yes	yes
HR alerts	yes	yes	yes
HR calories	yes	yes	yes
% HR max	yes	yes	yes
% HRR	yes	yes	yes
Recovery time	yes	yes	yes
Auto max HR	yes	yes	yes
HRV stress test	yes (with compatible accessory)	yes (with compatible accessory)	yes (with compatible accessory)
Records heart rate while swimming	yes (with HRM-Tri™ and HRM-Swim™)	yes (with HRM-Tri™ and HRM-Swim™)	yes (with compatible accessory)
HR Broadcast	yes	yes	yes
Running Features			
Preloaded run profiles	yes	yes	yes
GPS-based distance, time and pace	yes	yes	yes
Running dynamics	yes (with compatible accessory)	yes (with compatible accessory)	yes (with compatible accessory)
Vertical oscillation and ratio	yes (with compatible accessory)	yes (with compatible accessory)	yes (with compatible accessory)
Ground contact time and balance	yes (with compatible accessory)	yes (with compatible accessory)	yes (with compatible accessory)
Stride length (real time)	yes (with compatible accessory)	yes (with compatible accessory)	yes (with compatible accessory)
Cadence	yes	yes	yes
Physiological measurements	yes	yes	yes
Performance condition	yes	yes	yes
Lactate threshold	yes (with compatible accessory)	yes (with compatible accessory)	yes (with compatible accessory)
Run workouts	yes	yes	yes
Race predictor	yes	yes	yes
Foot pod capable	yes	yes	yes
Golfing Features			
Yardage to F/M/B	yes	yes	yes
Yardage to layups/doglegs	yes	yes	yes
Measures shot distance	Automatic	Automatic	Automatic
Digital scorecard	yes	yes	yes
Stat tracking	yes	yes	yes
Garmin AutoShot™	yes	yes	yes
Green View with manual pin position	yes	yes	yes
Auto CourseView updates	no	no	yes
Hazards and course targets	yes	yes	yes
TruSwing™ compatible	yes	yes	yes
Round timer/odometer	yes	yes	yes
Outdoor Recreation Features			
Preloaded outdoor recreation profiles	yes	yes	yes
Point-to-point navigation	yes	yes	yes
Bread crumb trail in real time	yes	yes	yes
Back to start	yes	yes	yes
TracBack®	yes	yes	yes
UltraTrac™ mode	yes	yes	yes
Elevation profile	yes	yes	yes
Around Me mode	no	no	yes
Distance to destination	yes	yes	yes
Barometric trend indicator	yes	yes	yes
Storm alert	yes	yes	yes
Trail run auto climb	yes	yes	yes
Vertical speed	yes	yes	yes
Total ascent/descent	yes	yes	yes
Compatible with BaseCamp™	yes	yes	yes
Preloaded topographical maps	no	no	yes
Future elevation plot	no	no	yes
Downloadable cartography support	no	no	yes
GPS coordinates	yes	yes	yes
Projected waypoint	yes	yes	yes
Sight 'N Go	yes	yes	yes
Area calculation	yes (via Connect IQ™)	yes (via Connect IQ™)	yes (via Connect IQ™)
Hunt/fish calendar	yes (via Connect IQ™)	yes (via Connect IQ™)	yes (via Connect IQ™)
Sun and moon information	yes (via Connect IQ™)	yes (via Connect IQ™)	yes (via Connect IQ™)
Dual grid coordinates	yes	yes	yes
Cycling Features			
Preloaded cycling profiles	yes	yes	yes
Courses	yes	yes	yes
Bike lap and lap maximum power	yes	yes	yes
Race an activity	yes	yes	yes
Time/distance alerts	yes	yes	yes
Interval training	yes	yes	yes
FTP (Functional Threshold Power)	yes (with compatible accessory)	yes (with compatible accessory)	yes (with compatible accessory)
Strava features	yes	yes	yes
Garmin Cycle Map	no	no	yes
Compatible with Vector™	yes	yes	yes
Power meter compatible	yes	yes	yes
Compatible with Varia Vision™	yes	yes	yes
Compatible with Varia™ radar	yes	yes	yes
Compatible with Varia™ lights	yes	yes	yes
Speed and cadence sensor support	yes (with sensors)	yes (with sensors)	yes (with sensors)
Swimming Features			
Preloaded swim profiles	yes	yes	yes
Pool swim metrics	yes	yes	yes
Stroke type detection	yes	yes	yes
Pool swim workouts	yes	yes	yes
Swim efficiency (SWOLF)	yes	yes	yes
Advanced swim features	yes	yes	yes
Open-water swim metrics	yes	yes	yes
Heart rate	yes (with HRM-Tri™ and HRM-Swim™)	yes (with HRM-Tri™ and HRM-Swim™)	yes (with HRM-Tri™ and HRM-Swim™)