

Forerunner 935	Forerunner 935	Forerunner 645	VivoActive 3	Forerunner 235
General				
Lens Material	glass	glass	glass	glass
Bezel Material	polymer	stainless steel	stainless steel	polymer
Case material	polymer	polymer	polymer	polymer
Strap material	silicone	silicone	silicone	silicone
Physical size	47x47x13.9mm	42.5x42.5x13.5mm	43.4x43.4x11.7mm	45x45x11.7mm
Weight	49 g	42.2 g	43.0 g	42 g
Water rating	5 ATM	5 ATM	Swim, 5 ATM	5 ATM
Display size	30.4 mm diameter	30.4 mm diameter	30.4 mm diameter	31.1 mm diameter
Display resolution	240 x 240 pixels	240 x 240 pixels	240 x 240 pixels	215 x 180 pixels
Colour display	yes	yes	yes	yes
Battery life: Smartwatch mode	Up to 2 weeks	Up to 7 days	Up to 7 days	Up to 9 days
Battery Life: GPS	Up to 24 hours	Up to 5 hours	Up to 13 hours	Up to 11 hours
Touchscreen	-	-	yes	-
Memory/History	64 MB	200 hours activity	7 timed activities, 14 days of activity	200 hours activity
Clock Features				
Time/date	yes	yes	yes	yes
GPS Time Sync	yes	yes	yes	yes
Automatic daylight saving time	yes	yes	yes	yes
Alarm clock	yes	yes	yes	yes
Timer	yes	yes	yes	-
Stopwatch	yes	yes	yes	yes
Sunrise/sunset times	yes	yes	-	-
Face It™ watch face creator	yes	yes	yes	yes
Sensors				
Wrist heart rate monitor	yes	yes	yes	yes
Barometric altimeter	yes	yes	yes	-
Compass	yes	yes	yes	-
Gyroscope	yes	yes	-	-
Accelerometer	yes	yes	yes	yes
Thermometer	yes	yes	yes	-
Daily Smart Features				
Connectivity	yes	yes	yes	yes
Connect IQ™	yes	yes	yes	yes
Smart notifications	yes	yes	yes	yes
Text response/reject phone call with text (Android™ only)	-	yes	yes	-
Calendar	yes	yes	yes	yes
Weather	yes	yes	yes	yes
Controls smartphone music	yes	yes	yes	yes
Plays and controls watch music	-	yes	-	-
Music Storage	-	up to 500 songs	-	-
Find My Phone	yes	yes	yes	yes
Find My Watch	yes	yes	yes	-
VIRB® remote	yes	yes	yes	yes
Smartphone compatibility	yes	yes	yes	yes
Compatible with Garmin Connect™	yes	yes	yes	yes
Garmin Pay™	-	yes (not in NZ yet)	yes (not in NZ yet)	-
Activity Tracking Features				
Step counter	yes	yes	yes	yes
Move bar	yes	yes	yes	yes
Auto goal	yes	yes	yes	yes
Sleep monitoring	yes	yes	yes	yes
Calories burned	yes	yes	yes	yes
Floors climbed	yes	yes	yes	-
Distance traveled	yes	yes	yes	yes
Intensity minutes	yes	yes	yes	yes
TrueUp™	yes	yes	yes	yes
Move IQ™	yes	yes	yes	-
Fitness Age	yes (in app)	yes (in app)	yes (in app)	-
Fitness Equipment/Gym	yes	yes	yes	-
Preloaded gym activity profiles	Indoor Rowing, Strength Training and Cardio Training	Strength, Cardio, Elliptical Training, Stair Stepping, Floor Climbing, Indoor Rowing and Yoga	Strength, Cardio, Elliptical Training, Stair Stepping, Floor Climbing, Indoor Rowing and Yoga	-
	yes	yes	yes	-
	yes	yes	yes	-
	yes	yes	yes	-
Training, Planning and Analysis Features				
GPS speed and distance	yes	yes	yes	yes
Customizable data pages	yes	yes	yes	yes
Customizable activity profiles	yes	yes	yes	yes

Auto Pause®	yes	yes	yes	yes
Interval training	yes	yes	yes	yes
Advanced workouts	yes	yes	yes	yes
Downloadable training plans	yes	yes	-	yes
Auto Lap®	yes	yes	yes	yes
Manual lap	yes	yes	-	yes
Virtual Partner	yes	yes	-	-
Configurable lap alerts	yes	yes	yes	-
V02 max	yes	yes	yes	yes
Training Status	yes	yes	-	-
Training Load	yes	yes	-	-
Training Effect (aerobic)	yes	yes	-	yes
Training Effect (anaerobic)	yes	yes	-	-
Customizable alerts	yes	yes	yes	yes
Audio prompts	yes	yes	-	yes
Finish time	yes	yes	-	yes
Race an Activity	yes	yes	-	-
Auto multisport activities	yes	-	-	-
Manual multisport activities	yes	-	-	-
Course guidance	yes	yes	-	-
Segments (Live, Garmin)	yes	yes	-	-
Strava features	yes	yes	-	-
LiveTrack	yes	yes	yes	yes
Group LiveTrack	yes	-	-	-
Touch and/or button lock	yes	yes	yes	yes
Hot keys	yes	-	-	-
Auto scroll	yes	yes	yes	yes
Activity history on watch	yes	yes	yes	yes
Heart Rate Features				
HR zones	yes	yes	yes	yes
HR alerts	yes	yes	yes	yes
HR calories	yes	yes	yes	yes
% HR max	yes	yes	yes	-
% HRR	yes	yes	-	-
Recovery time	yes	yes	-	yes
Auto max HR	yes	yes	-	-
HRV stress test	yes	-	-	-
Records heart rate while swimming	yes	-	-	-
HR Broadcast	yes	yes	yes	yes
Running Features				
Preloaded run profiles	yes	yes	yes	yes
GPS-based distance, time and pace	yes	yes	yes	yes
Running dynamics	yes	yes	-	-
Vertical oscillation and ratio	yes	yes	-	-
Ground contact time and balance	yes	yes	-	-
Stride length (real time)	yes	yes	-	-
Cadence	yes	yes	-	yes
Performance condition	yes	yes	-	-
Lactate threshold	yes	yes	-	-
Run workouts	yes	yes	yes	yes
Race predictor	yes	yes	-	yes
Foot pod capable	yes	yes	yes	yes
Outdoor Recreation Features				
Preloaded outdoor recreation profiles	Hiking Climbing Skiing Snowboarding XC Skiing, Stand Up Paddleboarding, Rowing, Jumpmaster Tactical	Skiing, Snowboarding, XC Skiing, Stand up Paddleboarding, Rowing	Skiing, Snowboarding, XC Skiing, Stand Up Paddleboarding, Rowing	-
Point-to-point navigation	yes	yes	-	-
Bread crumb trail in real time	yes	yes	-	-
Back to start	yes	yes	yes	yes
TracBack®	yes	yes	-	-
UltraTrac mode	yes	yes	-	-
Elevation profile	yes	yes	-	-
Distance to destination	yes	yes	-	yes
Barometric trend indicator	yes	-	-	-
Storm alert	yes	-	-	-
Trail run auto climb	yes	-	-	-
Vertical speed	yes	yes	-	-
Total ascent/descent	yes	yes	yes	-
Compatible with BaseCamp™	yes	-	-	-
GPS coordinates	yes	yes	-	-
Projected waypoint	yes	-	-	-
Sight 'N Go	yes	-	-	-

Area calculation	yes (via Connect IQ™)	-	-	-
Hunt/fish calendar	yes (via Connect IQ™)	-	-	-
Sun and moon information	yes (via Connect IQ™)	-	-	-
Dual grid coordinates	yes	-	-	-
Cycling Features				
Preloaded cycling profiles	yes	yes	yes	yes
Courses	yes	yes	-	-
Bike lap and lap maximum power	yes	-	-	-
Race an activity	yes	yes	-	-
Time/distance alerts	yes	yes	yes	yes
FTP (Functional Threshold Power)	yes	yes	-	-
Compatible with Vector™	yes	-	-	-
Power meter compatible	yes	-	-	-
Compatible with Varia Vision™	yes	yes	yes	yes
Compatible with Varia™ radar	yes	yes	yes	-
Compatible with Varia™ lights	yes	yes	yes	-
Speed and cadence sensor support	yes	yes	yes	-
Swimming Features				
Preloaded swim profiles	Pool, Open Water	Pool	Pool	-
Pool swim metrics	yes	yes	yes	-
Stroke type detection	yes	yes	yes	-
Swim efficiency (SWOLF)	yes	yes	yes	-
Drill logging	yes	yes	-	-
Pool swim workouts	yes	yes	-	-
Open-water swim metrics	yes	-	-	-
Heart rate	yes	-	-	-
Golfing Features				
Yardage to F/M/B	yes	-	yes	-
Yardage to layups/doglegs	yes	-	yes	-
Measures shot distance	yes	-	yes	-
Digital scorecard	yes	-	yes	-
Stat tracking	yes	-	yes	-
Garmin AutoShot™	yes	-	yes	-
Green View with manual pin position	yes	-	yes	-
Hazards and course targets	yes	-	yes	-
TruSwing™ compatible	yes	-	yes	-
Round timer/odometer	yes	-	yes	-